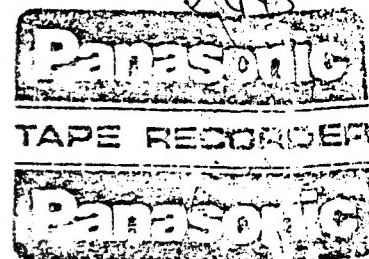
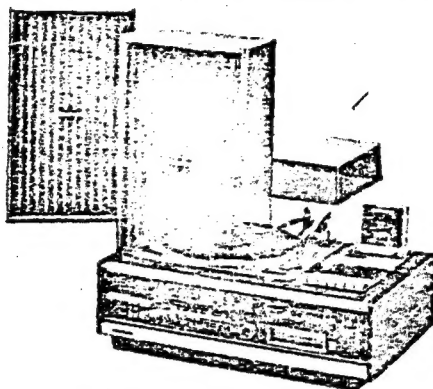


Service Manual



8-TRACK CARTRIDGE TAPE RECORDER WITH CASSETTE TAPE RECORDER, RECORDCHANGER, MATRIX 4-CHANNEL CIRCUITRY AND FM/AM/FM STEREO RADIO



This is Service Manual of Model RS-876AS for PX.

MODEL RS-876AS

SPECIFICATIONS

Power Source:	AC: 90~109, 110~125, 200~219, 220~250 volts; 50/60Hz	Inputs:	2 "MIC" -79 dB 300Ω 2 "AUX" -50 dB 35KΩ
Power Consumption:	Approx. 80 W	Outputs:	2 "LINE OUT" 0 dB 3.5KΩ "EXT SP" 8Ω "HEADPHONE" 8Ω
Motors:	DC electronic governor motor (2)	Recording Time:	One hour (two-way, using C-60 tape)
Maximum Output:	44 W (PMPO)	Speakers:	(Woofer): 6-1/4 PM dynamic speaker × 2 (Tweeter): 2-3/4 PM dynamic speaker × 2
Transistors:	2SK33(1) 2SC920R(6) 2SC710C(4) 2SB178(1) 2SC644(2) 2SB348(2) 2SB346(2) 2SA683(1)	Dimensions:	(main body): 10-3/8"(H) × 22-1/2"(W) × 14-3/8"(D) (each speaker box): 20-3/4"(H) × 12-1/4"(W) × 6-1/4"(D)
Diodes & Rectifiers:	SC15(1) KB265A(1) OA90Z(2) 20A90(6) OA90(3) MZ209(2) S0501(2) 1S1211(2) FR202(4) 10DC1(1) 10DC1R(1) M5115P(1) M5115PR(1)	Weights:	(main body): 45-3/4 lbs. (each speaker box): 6-1/4 lbs.
ICs:		RADIO SECTION	
Recording System:	AC bias 32 kHz	Frequency Range:	AM: 525~1605 kHz FM: 87.5~108 MHz
Erasing System:	AC erase	Intermediate Frequency:	AM: 455 kHz FM: 10.7 MHz
Track System:	4-track, 2-channel stereo system (cassette) 8-track, 2-channel stereo system (8-track)	Sensitivity:	AM: 60 μV/m/50 mW FM: 3 μV/50 mW
Tape Speed:	1-3/4 ips. (cassette) 3-3/4 ips. (8-track)	CHANGER SECTION	
Fast Forward Time:	Approx. 100 seconds with C-60 cassette tape (cassette) Approx. 150 seconds with 100 feet cartridge tape (8-track)	Changer Assembly:	ARC50G6P
Rewind Time:	Approx. 100 seconds with C-60 cassette tape	Cartridge	
Frequency Response:	30~12,000 Hz (cassette) 30~15,000 Hz (8-track)	Output Voltage:	300 mV
		Inner Capacitor:	300 pF
		Maximum Number of Records:	6
		Speeds:	16-2/3, 33-1/3, 45, 78 rpm

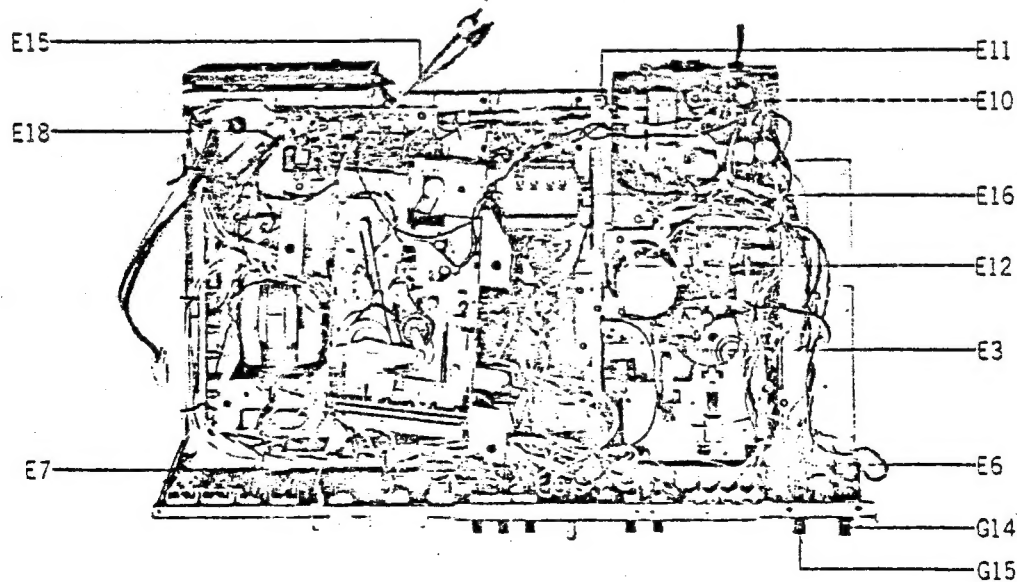
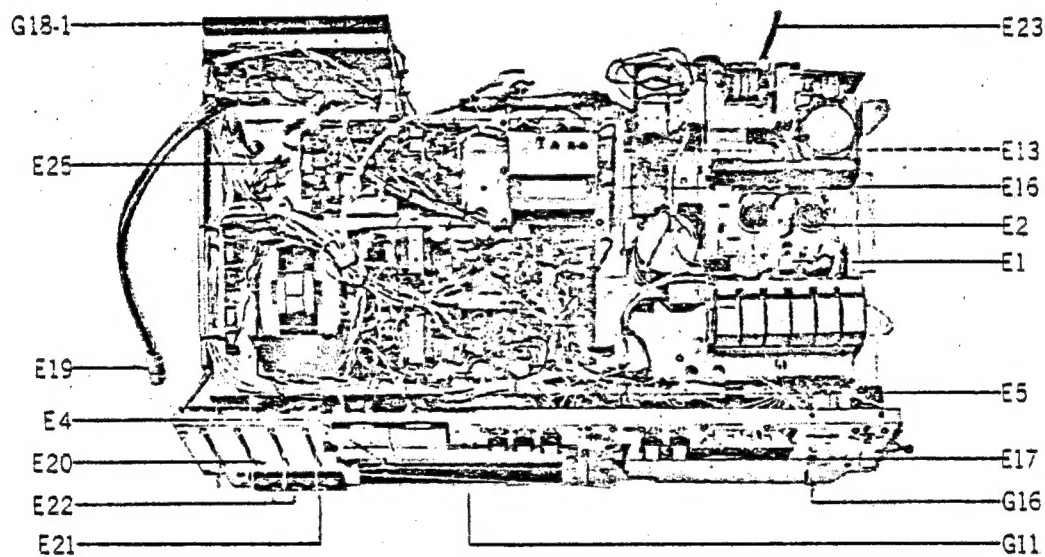
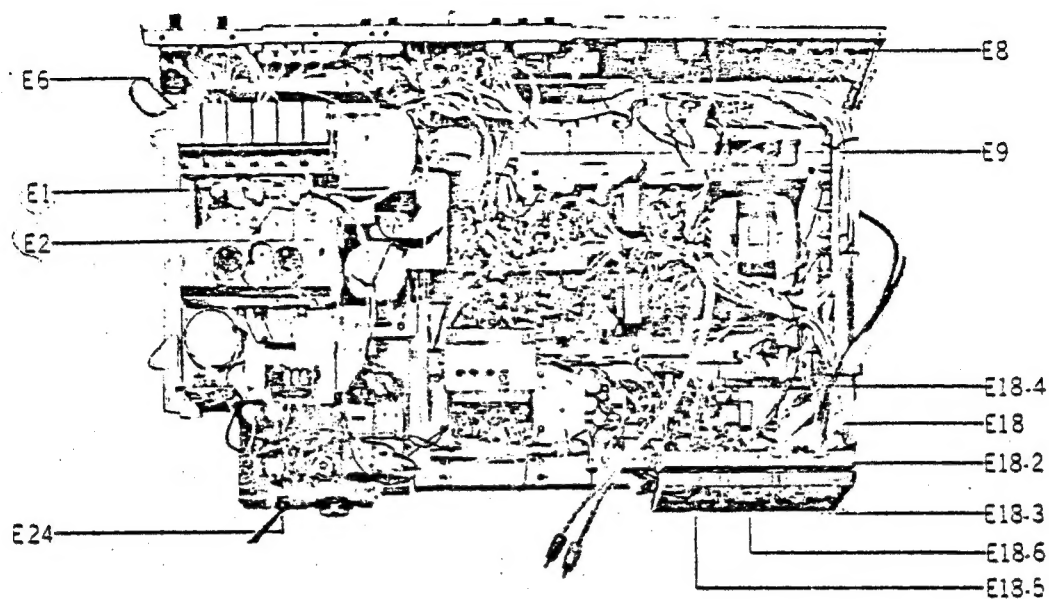
These specifications are subject to change in order to accommodate improvements in design.

PANASONIC TOKYO
DIVISION OF MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

8-2, 4-chome, Shiba, Minato-ku, Tokyo 108 Japan
Tel. (453) 3111 (Ext. 611, 612), 0421
Cable Address: "NATIONAL TOKKI" TOKYO

ORDER NO. AAD-7306025

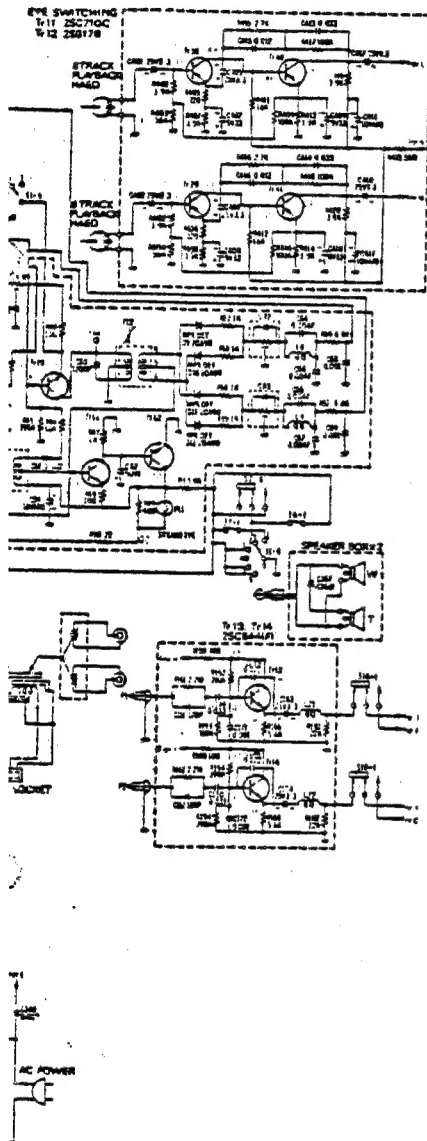
ELECTRICAL PARTS LOCATION



DOUBLE
740 250700

740 7-26
250348

740 7-40
250348

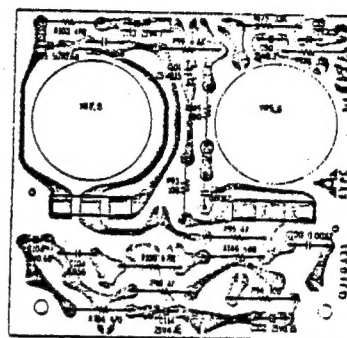
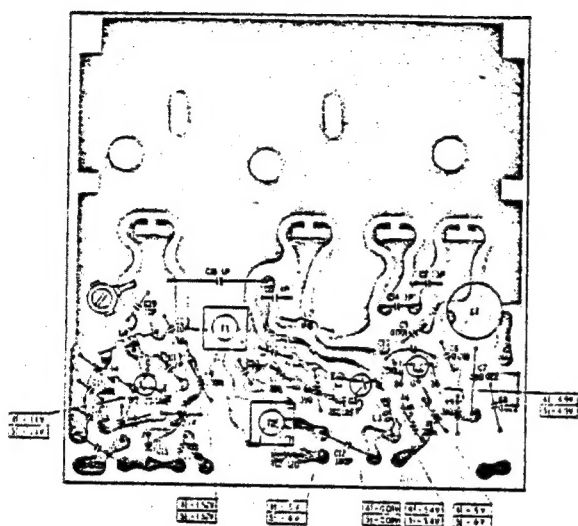
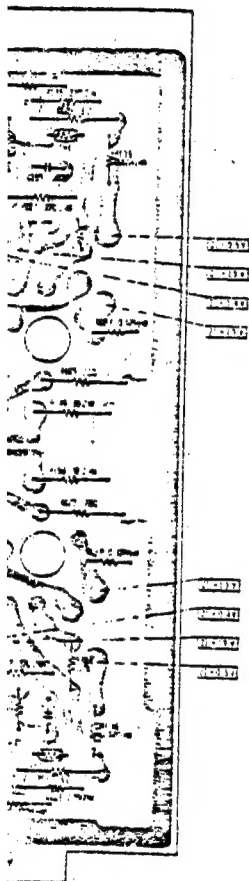


STANDARD VOLTAGE CHART

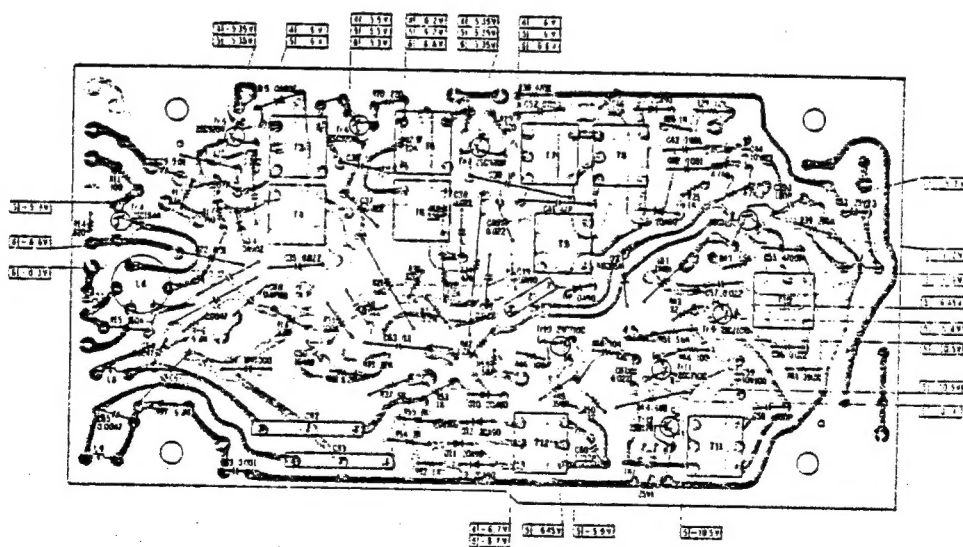
Check Point	ALL PHONO	Playback	Recording	FM MONO	FM ST	AM	Check Point	ALL PHONO	Playback	Recording	FM MONO	FM ST	AM
①	AC 21.2V						27					-2.1V	
②	AC 24.7V						28					-4.8V	
③	-16.5V						29					-6.0V	
④	-16.5V						30					-5.7V	
⑤	-15.3V						31					-6.0V	
⑥	-14.2V						32					-1.5V	
⑦					-6.7V	-6.7V	-16.2V	33				-1.6V	
⑧					-7.7V	-7.7V	-6.2V	34				0V	
⑨					-6.7V	-6.7V	-7.6V	35				-13.2V	
⑩					-5.8V	-5.8V		36				-13.8V	
⑪					-4.8V	-4.8V		37					
⑫					-1.58V	-1.52V		38		+9.0V			
⑬					-1.1V	-1.1V		39		+7.1V			
⑭					-5.4V	-6.4V		40		-6.1V			
⑮					-5.9V	-5.9V		41	+6.0V				
⑯					-5.9V	-5.9V		42	-1.7V				
⑰					-6.09V	-6.09V		43					
⑱						-5.7V		44					
⑲						-6.8V		45					
⑳						-6.2V		46					
㉑					-5.4V	-5.4V		47					
㉒					-6.1V	-6.1V		48					
㉓					-5.9V	-5.9V		49					
㉔					-5.9V	-5.9V		50					
㉕					-6.2V	-6.2V		51					
㉖					-5.4V	-5.4V		52					
㉗					-5.4V	-5.4V		53					
㉘					-6.1V	-6.1V		54					
㉙						-6.0V		55					
㉚						-5.99V		56					
㉛						-6.1V		57					
㉜						-6.0V		58					
㉝						-6.0V		59					
㉞						-6.0V		60					
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111						-6.0V		187					
112						-6.0V		188					
113						-6.0V		189					

RF CIRCUIT BOARD

VOLUME CIRCUIT BOARD



IF CIRCUIT BOARD



circuit
rout.
chassis and electrical

1000-5...FM ST. and

RS-876AS

The following shows differences of the parts between RS-876S and RS-876AS.

For the comparison, please refer to the Service Manual of RS-876S.

There is no great changes except the differences of parts listed below. There will be, therefore, no inconveniences in performing service work and carrying on perfect parts control.

We hope you would make the best use of this Supplementary.

Ref No.	Description	Part No. (RS-876S)	Part No. (RS-876AS)	Remarks
E28	Speaker Cord	QFC2073	QFC2056	
G2-1	Cartridge Lid	QKF1422	QKF1432	Modification
G2-3	Cartridge Lid Spring	QBC1090	QBN1197	Modification
G10	Back Board	QKU1216	QKS1109	
G17	Speaker Box Assembly (Without Speaker)	QYE0009SW	QYE0031SW	
G17-2	Speaker Washer	QWQ1003	QWQ1083	
G18	Screw	XSN4+20FZS	XSN4+25FZS	Modification
A2	Microphone	WM2201P (1 pcs.)	WM2201P (2 pcs.)	Modification
A3	Microphone Stand	WN123P (1 pcs.)	WN123P (2 pcs.)	Modification
A5	Instruction Book	QQT1708	QQT0586	

Service Manual



8-TRACK CARTRIDGE TAPE RECORDER WITH CASSETTE TAPE RECORDER, RECORDCHANGER, MATRIX 4-CHANNEL CIRCUITRY AND FM/AM/FM STEREO RADIO



MATSUSHITA ELECTRIC (Model) RS-876S for European PX.
SERVICE CENTER & WAREHOUSE

6000 FRANKFURT/MAIN 8
HIRTENSTRASSE 9-11

MODEL RS-876S

SPECIFICATIONS

Power Source: AC: 90~109, 110~125, 200~219,
220~250 volts: 50/60 Hz

Power Consumption: Approx. 80 W

Motors: DC electronic governor motor (2)

Maximum Output: 44 W (PMPO)

Transistors: 2SK33(1) 2SC920R(6) 2SC710C(4)
2SB178(1) 2SC644(2) 2SB348(2)
2SB346(2) 2SA683(1)

Diodes & Rectifiers: SC15(1) KB265A(1) OA90Z(2)
2OA90(6) OA90(3) MZ209(2)
S0501(2) 1S1211(2) FR202(4)
10DC1(1) 10DCR(1)

ICs: M5115P(1) M5115PR(1)

Recording System: AC bias 32 kHz

Erasing System: AC erase

Track System: 4-track, 2 channel stereo system
(cassette)
8-track, 2 channel stereo system
(8-track)

Tape Speed: 1-3/4 ips. (cassette)
3-3/4 ips. (8-track)

Fast Forward Time: Approx. 100 seconds with C-60
cassette tape. (cassette)
Approx. 150 seconds with 100 feet
cartridge tape. (8-track)

Rewind Time: Approx. 100 seconds with C-60
cassette tape.

Frequency Response: 30~12,000 Hz (cassette)
30~15,000 Hz (8-track)

Inputs: 2 "MIC" -79 dB 300Ω
2 "AUX" -50 dB 35 kΩ

Outputs: 2 "LINE OUT" 0 dB 3.5 kΩ
"EXT SP" 8Ω
"HEADPHONE" 8Ω

Recording Time: One hour (two-way, using C-60 tape)

Speakers: (Woofer): 6-1/4 PM dynamic speaker X2
(Tweeter): 2-3/4 PM dynamic speaker X2

Dimensions: (main body): 10-3/8" (H) × 22-1/2" (W) ×
14-3/8" (D)
(each speaker box): 20-3/4" (H) × 12-1/4" (W) × 6-1/4" (D)

Weights: (main body): 45-3/4 lbs.
(each speaker box): 6-1/4 lbs.

RADIO SECTION

Frequency Range: AM: 525~1605 kHz
FM: 87.5~108 MHz

Intermediate Frequency: AM: 455 kHz
FM: 10.7 MHz

Sensitivity: AM: 60μV/m/50 mW
FM: 3μV/50 mW

CHANGER SECTION

Changer Assembly: ARC50G6P

Cartridge Output Voltage: 300 mV

Inner Capacitor: 800 pF

Maximum Number of Records: 6

Speeds: 16-2/3, 33-1/3, 45, 78 rpm

EPS 13 TTS'D
EPC 35 TTCD

These specifications are subject to change in order to accommodate improvements in design.

MATSUSHITA ELECTRIC
MATSUSHITA ELECTRIC TRADING CO., LTD.
P. O. Box 288 Central, Osaka, Japan

Service Manual



8-TRACK CARTRIDGE TAPE RECORDER WITH CASSETTE TAPE RECORDER, RECORDCHANGER, MATRIX 4-CHANNEL CIRCUITRY AND FM/AM/FM STEREO RADIO



This is Service Manual of Model RS-876S for PX.

RS-876S

SPECIFICATIONS

Power Source: AC: 90~109, 110~125, 200~219,
220~250 volts: 50/60 Hz

Power Consumption: Approx. 80 W

Motors: DC electronic governor motor (2)

Maximum Output: 44 W (PMPO)

Transistors: 2SK33(1) 2SC920R(6) 2SC710C(4)
2SB178(1) 2SC644(2) 2SB348(2)
2SB346(2) 2SA683(1)

Diodes & Rectifiers: SC15(1) KB265A(1) OA90Z(2)
2OA90(6) OA90(3) MZ209(2)
S0501(2) 1S1211(2) FR202(4)
10DC1(1) 10DCR(1)

ICs: M5115P(1) M5115PR(1)

Recording System: AC bias 32 kHz

Erasing System: AC erase

Track System: 4-track, 2 channel stereo system
(cassette)
8-track, 2 channel stereo system
(8-track)

Tape Speed: 1-3/4 ips. (cassette)
3-3/4 ips. (8-track)

Fast Forward Time: Approx. 100 seconds with C-60
cassette tape. (cassette)
Approx. 150 seconds with 100 feet
cartridge tape. (8-track)

Rewind Time: Approx. 100 seconds with C-60
cassette tape.

Frequency Response: 30~12,000 Hz (cassette)
30~15,000 Hz (8-track)

Inputs: 2 "MIC" -79 dB 300Ω
2 "AUX" -50 dB 35 kΩ

Outputs: 2 "LINE OUT" 0 dB 3.5 kΩ
"EXT SP" 8Ω
"HEADPHONE" 8Ω

Recording Time: One hour (two-way, using C-60 tape)

Speakers: (Woofer): 6-1/4 PM dynamic speaker X2
(Tweeter): 2-3/4 PM dynamic speaker X2

Dimensions:
(main body): 10-3/8" (H) × 22-1/2" (W) × 14-3/8" (D)
(each speaker box): 20-3/4" (H) × 12-1/4" (W) × 6-1/4" (D)

Weights: (main body): 45-3/4 lbs.
(each speaker box): 6-1/4 lbs.

RADIO SECTION

Frequency Range: AM: 525~1605 kHz
FM: 87.5~108 MHz

Intermediate Frequency: AM: 455 kHz
FM: 10.7 MHz

Sensitivity: AM: 60μV/m/50 mW
FM: 3μV/50 mW

CHANGER SECTION

Changer Assembly: ARC50G6P

Cartridge Output Voltage: 300 mV

Inner Capacitor: 800 pF

Maximum Number of Records: 6

Speeds: 16-2/3, 33-1/3, 45, 78 rpm

These specifications are subject to change in order to accommodate improvements in design.

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DIVISION OF MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

8-2, 4-chome, Shiba, Minato-ku, Tokyo 108 Japan
Tel. (453) 3111 (Ext. 611, 612), 0421
Cable Address: "NATIONAL TOKYO" TOKYO

LOCATION OF PARTS

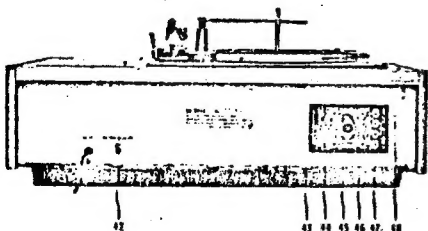
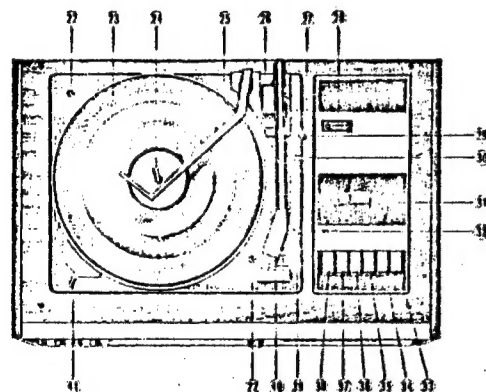
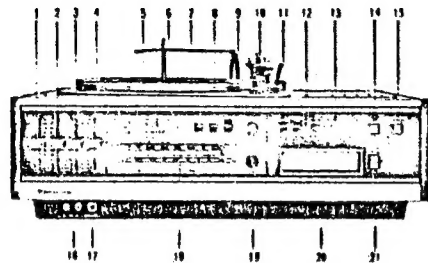


Fig. 1

- ① Bass control
- ② Treble control
- ③ Balance control
- ④ Volume control
- ⑤ Level meters
- ⑥ Stereo eye
- ⑦ Automatic frequency control
- ⑧ Mode switch
- ⑨ Monitor switch
- ⑩ Function switch
- ⑪ PHONO/LINE IN selector
- ⑫ Pana-Ject switch
- ⑬ Program indicator
- ⑭ Program selector
- ⑮ Power switch
- ⑯ Microphone jacks
- ⑰ Headphone jack
- ⑱ Radio dial scale
- ⑲ Tuning knob
- ⑳ Cartridge slot
- ㉑ Eject button of cartridge section
- ㉒ Protection screws
- ㉓ Turntable
- ㉔ Record spindle
- ㉕ Record support arm
- ㉖ Pickup arm
- ㉗ Inside force canceller
- ㉘ Tape counter
- ㉙ Cue lever
- ㉚ Record size selector
- ㉛ Cassette compartment
- ㉜ Pause switch
- ㉝ Eject button for cassette section
- ㉞ Stop button
- ㉟ Play button
- ㊱ Fast forward button
- ㊲ Rewind button
- ㊳ Record button
- ㊴ Changer function
- ㊵ Pickup cartridge
- ㊶ Record speed selector
- ㊷ AC voltage selector
- ㊸ FM external antenna terminal
- ㊹ 2-CH/4-CH selector
- ㊺ LINE IN jacks
- ㊻ Recording/playback connector
- ㊼ LINE OUT jacks
- ㊽ External speaker jacks

DISASSEMBLY INSTRUCTIONS

HOW TO REMOVE CHASSIS

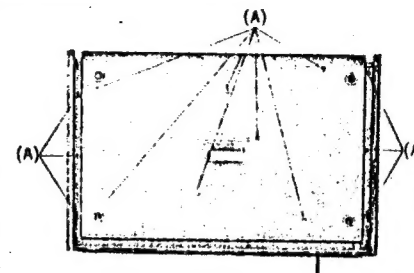


Fig. 2

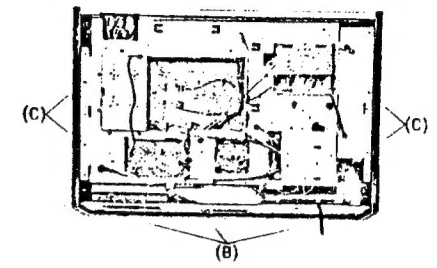


Fig. 3

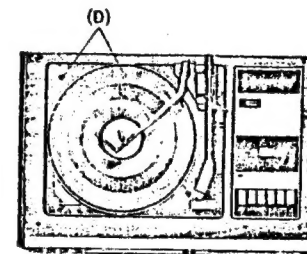


Fig. 4

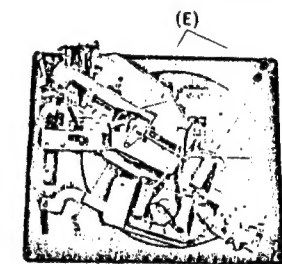


Fig. 5

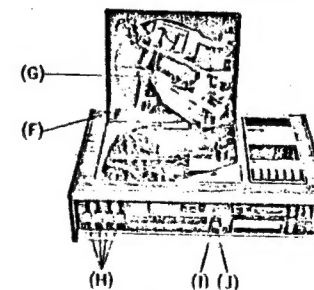


Fig. 6

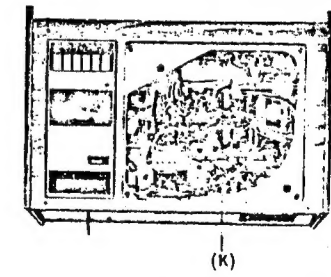
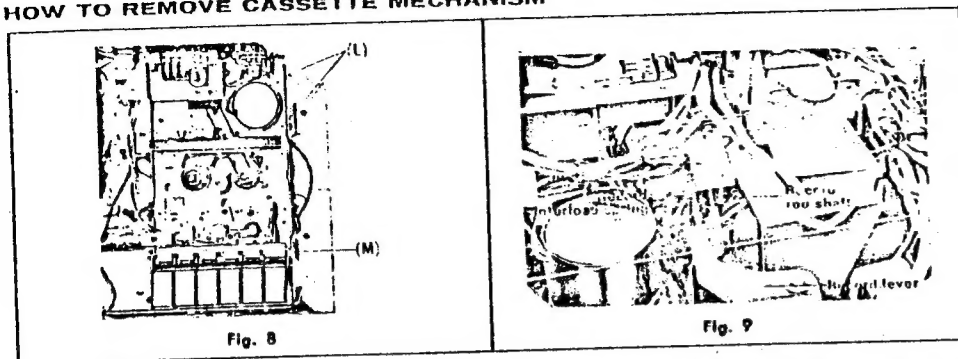


Fig. 7

1. Remove the 13 screws (A) holding the bottom case in order to remove the case itself.
2. Remove the 3 screws (B) holding the back board and 4 screws (C) holding the chassis as shown in fig. 3.
3. The two protection screws (D) should be loosened (not remove) by turning clockwise.
4. Straighten the two lock pieces (E). The record changer mechanism can then be removed.
5. Disconnect the two connection cords (F) and the socket (G).
Remove the 4 control knobs (H), the selector knob (I) and the tuning knob (J) see fig. 6.
6. Remove the screw (K) holding the chassis.
The chassis can then be removed from the case.

HOW TO REMOVE CASSETTE MECHANISM



Remove the 3 screws (L) holding cassette mechanism and the stop ring (M). The cassette mechanism can then be removed from the chassis.

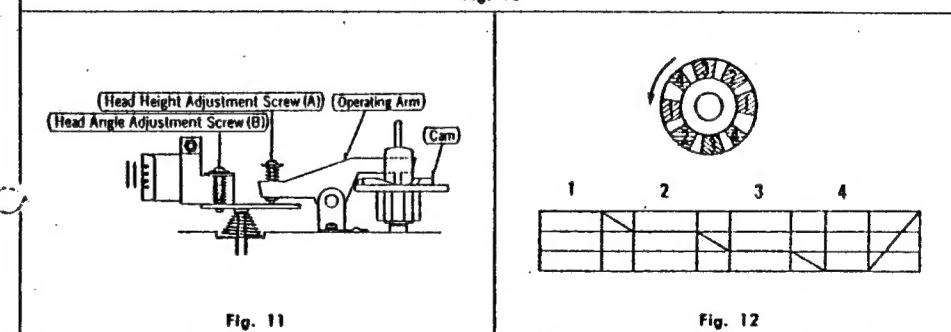
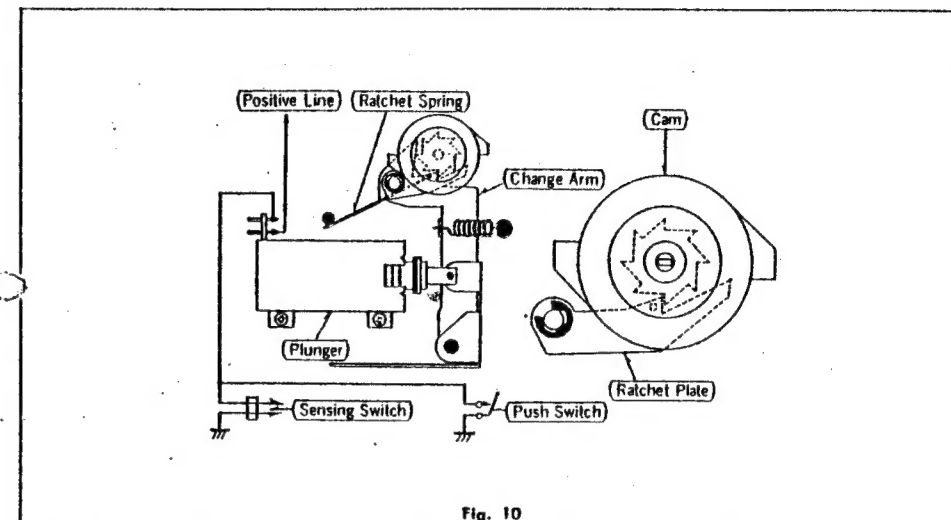
NOTE: Set of the Cassette Mechanism Assembly: While pulling the record lever in the arrow direction (A), fix the cassette mechanism assembly so that the record rod shaft comes to the right side of the record interlock spring as shown in fig. 9.

STANDARD VALUE TO TEST

ITEM	VALUE	PARTS TO BE ADJUSTED	REMARKS
Recording bias current.	0.5 ± 0.05 mA	L10 (CH1) L11 (CH2)	Set the volume control to minimum.
Input level.	MIC -79 ± 3 dB AUX -50 ± 3 dB	—	To obtain $50 \pm 10 \mu$ A of recording current through the recording head. Set the volume control to maximum. Stop the bias oscillation.
Bias oscillation frequency.	32 ± 5 kHz	—	—
Erase current.	40 mA	VR501	—
Takeup tension.	50 ± 10 gr-cm	—	—
Pressure of pressure roller	425 ± 75 gr	Pressure roller spring.	—

MECHANICAL ADJUSTMENTS

PROGRAM SELECTION



Manual Selection

- When the push switch is pressed, the plunger operates.
 - The plunger pulls the change arm to left momentarily; then it returns to the right.
 - Change arm moves the ratchet plate which turns the cam when it returns to the right.
 - As the cam rotates, the head moves up and down and the program is selected.
- Fig. 6 shows a cross-section of the cam. The convex

portion of the operating arm hits upon surfaces 1, 2, 3, and 4. When it hits upon surface 4 the head is placed in top position selects channels 1 and 5.

Automatic Selection

If the sensing foil is attached to the cartridge tape, the plunger functions when the sensing switch is closed by the sensing foil, thereby selecting a program can be made automatically.

PRESSURE OF PRESSURE ROLLER

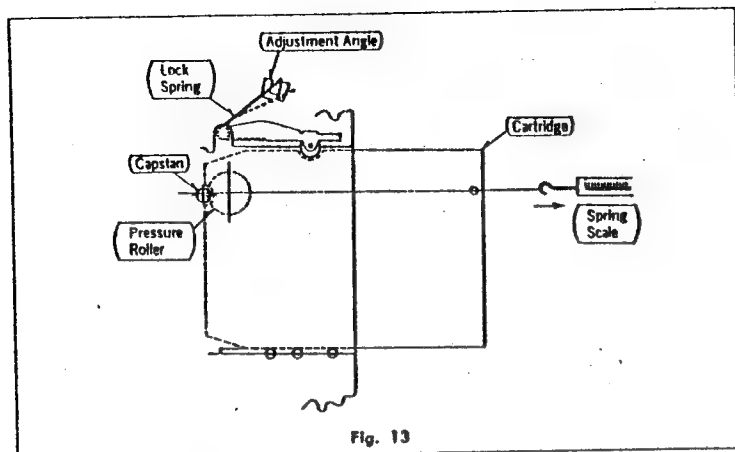


Fig. 13

Instruments required: Standard cartridge for measuring pressure of pressure roller; spring scale.

Measuring figure: Refer to fig. 13.

Measuring method: Insert the standard cartridge in the tape player, and take the measurement by pulling it with the spring scale.

Standard value:

1750 ± 250 gr.

Adjustment:

Make adjustment by bending the lock lever spring.

HEAD ARM ATTRACTION

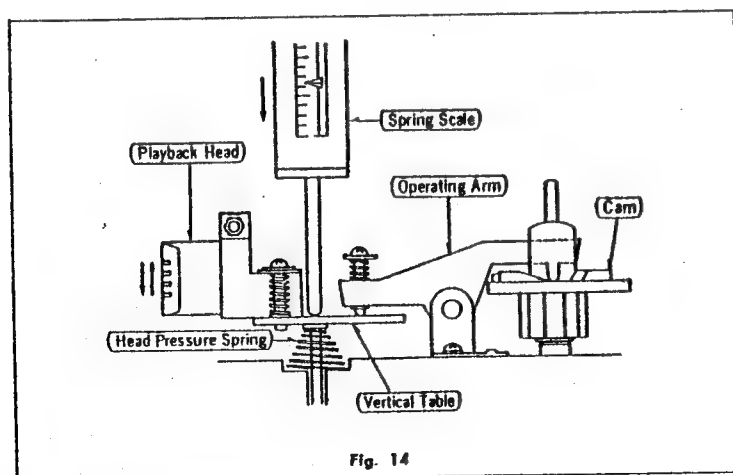


Fig. 14

Instruments required: Spring scale.

Measuring figure: Refer to fig. 14.

Measuring method: Place the set in to the mode of program 1, and take the measurement by pushing it downward with the spring scale.

Standard value:

180 ± 20 gr.

PLUNGER LOAD

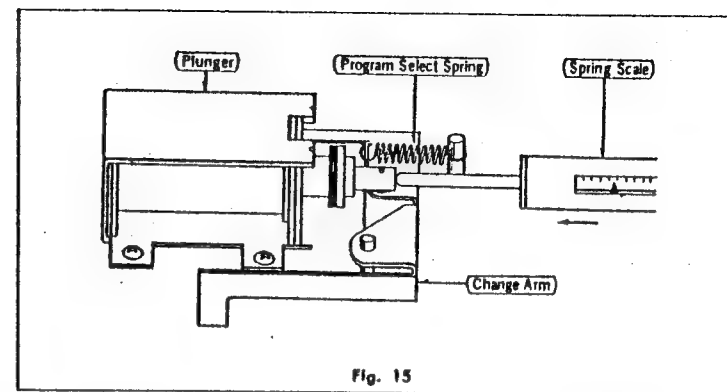


Fig. 15

Instrument required: Spring scale.

Measuring figure: Refer to fig. 15.

Measuring method: Apply the spring scale, push in the

plunger, and measure the maximum value at the end point.

Standard value:

700 ± 100 gr.

AMPLIFIER ADJUSTMENTS

HEAD HEIGHT POSITION CONTROL AND AZIMUTH ADJUSTMENT

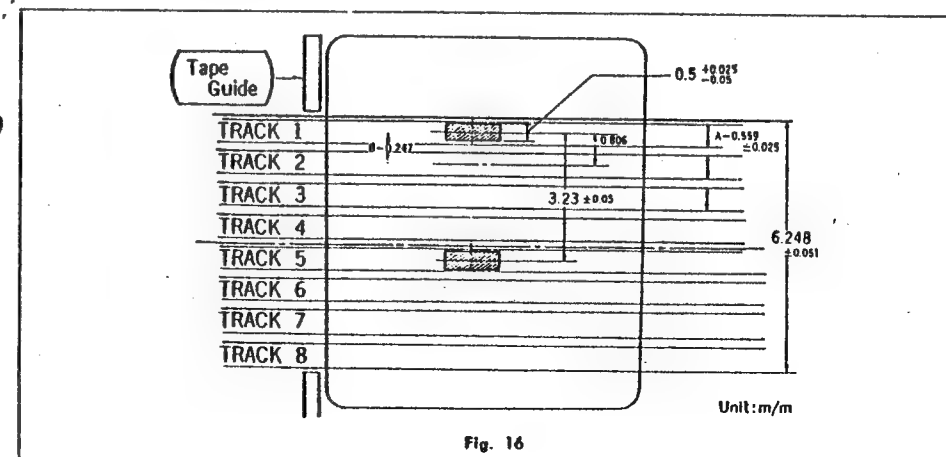


Fig. 16

Instrument required: VTVM (2units).

Azimuth adjustment standard tape (VTT804 or #328 made by RCA). Height position control cartridge (VTT801 or #321 made by RCA). Crosstalk adjustment standard tape (VTT804 or #328 made by RCA).

HEAD POSITION CONTROL

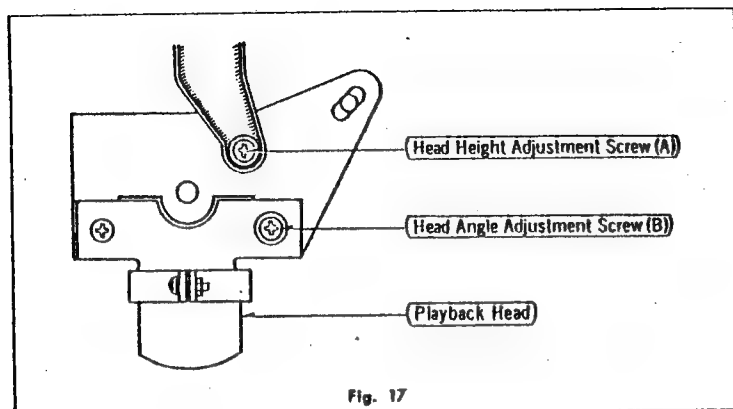


Fig. 17

1. Place the set into program 1.
2. Make an adjustment with the unaided eye by using the head height adjust screw (A) shown in fig. 17 so

that the tape width and the head position becomes as shown in fig. 16.

AZIMUTH ADJUSTMENT

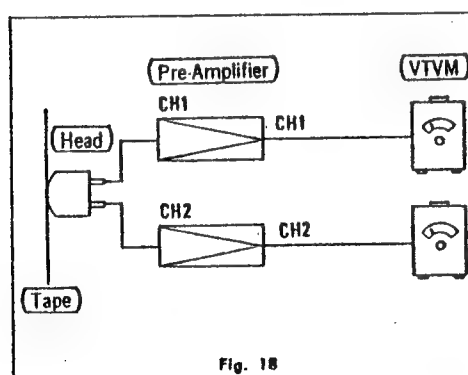


Fig. 18

1. Set the tape player to track 2.
2. Connect two VTVMs to the output of the left and right output channels as shown in fig. 18.

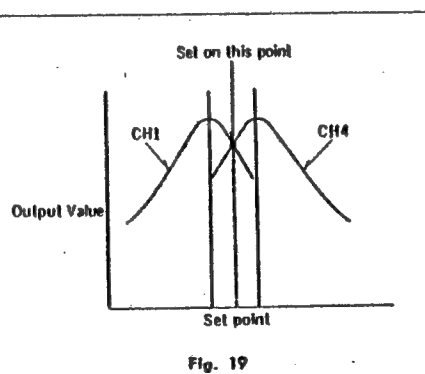


Fig. 19

3. Using either an RCA321 test tape or recorded music, play the tape and adjust screw B in fig. 17 for a balanced maximum output (fig. 19)

HEIGHT ADJUSTMENT

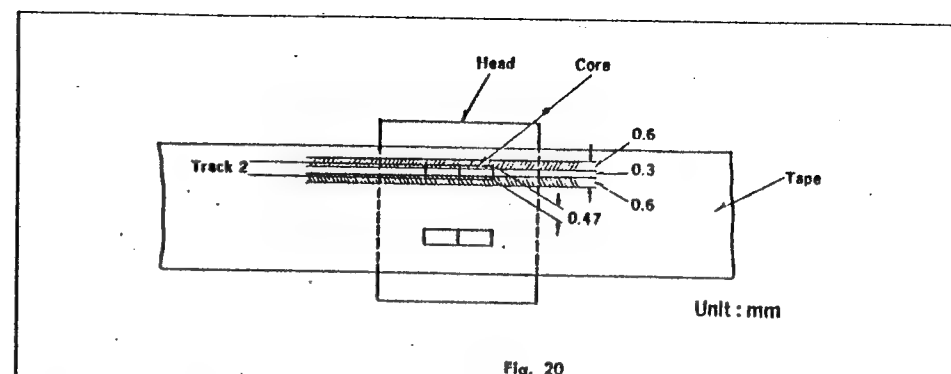


Fig. 20

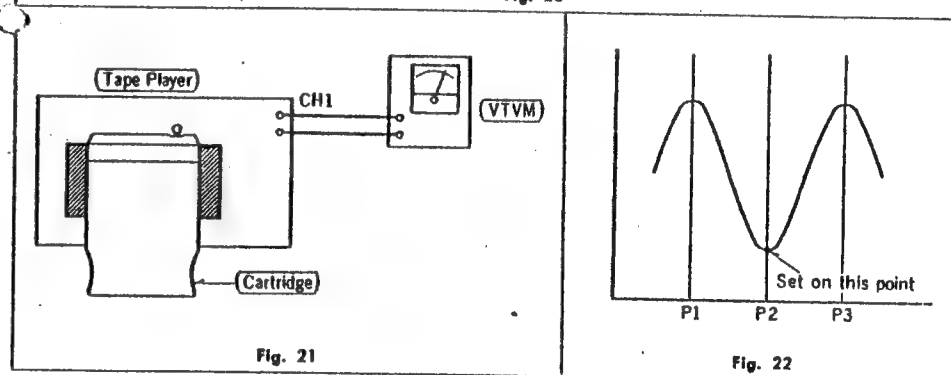


Fig. 21

Fig. 22

NOTE

RCA TEST TAPE 328 is recorded with a 400 Hz tone above and below channel 2. When adjusting, if the tone gets louder, adjust for minimum by the turning adjustment screw in the opposite direction.

1. Set tape player to track 2.
2. Play the tape and adjust screw (fig. 17) for minimum sound on channel 1, or connect the equipment as shown in fig. 21.

CROSSTALK ADJUSTMENT

NOTE

Test tape RCA 328 has 400 Hz on channels 1, 3, 5, and 7, and no signal on channel 2, 4, 6 and 8.

1. Using the VTVM, play each channel and measure the power ratio between each odd and even numbered track. It should be at least 35 dB.
2. If the power ratio is out of tolerance, repeat the azimuth and height adjustments.
3. Lock screws A and B in place, using glyptal or glue, fig. 17.

FM RF ALIGNMENT

Output of signal generator should be no higher than necessary to obtain an output reading. Set band selector to FM. Set volume control to maximum. Set tone control to treble. Set balance control to center. Set AFC switch to OFF.					
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
1 Connect to EXT FM antenna terminal through FM dummy antenna. Common to chassis. (Refer to fig. 26)	90 MHz (400 Hz Mod.)	90 MHz	Output meter across EXT SP Jack (L) (refer to fig. 1.)	L4 (FM OSC coil) L1 (FM ANT coil) L2 (FM collector coil) (Refer to fig. 29)	Adjust for maximum output.
2 Connect to EXT FM antenna terminal through FM dummy antenna. Common to chassis. (Refer to fig. 26)	106 MHz (400 Hz Mod.)	106 MHz	Output meter across EXT SP Jack (L) (refer to fig. 1.)	C17 (FM OSC trimmer) C1 (FM ANT trimmer) C8 (FM collector trimmer) (Refer to fig. 29)	Adjust for maximum output. Repeat steps (3) and (4).

Note: Three output responses will be present; proper tuning is the center frequency.

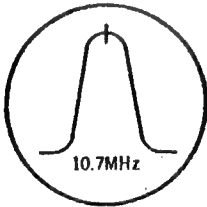


Fig. 24

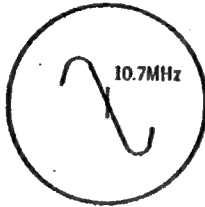


Fig. 25

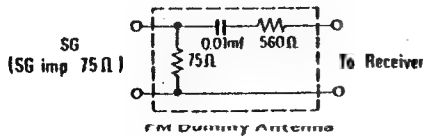


Fig. 26

RADIO ALIGNMENT INSTRUCTIONS

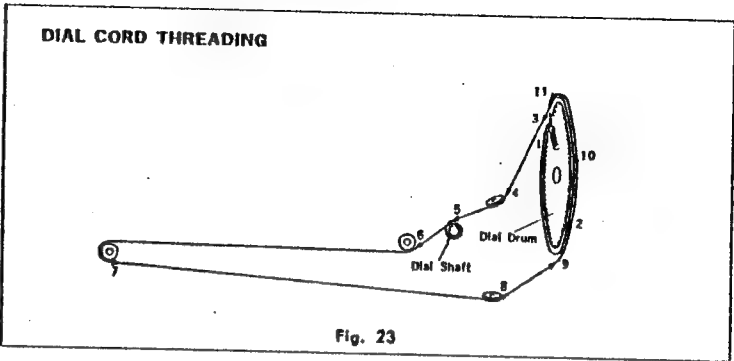


Fig. 23

DISTANCE ON DIAL SCALE FOR FREQUENCY & DIAL THREADING

To align the proper frequencies to the dial scale accurately, refer to the table and mark the edge of the dial scale plate accordingly, using the starting point marked on the dial scale as a reference point.

TABLE

Band	Frequency	Distance from Starting Point	
AM	550 kHz	15.1 mm	19/
	1500 kHz	121.9 mm	4-4,
FM	90 MHz	20.7 mm	4,
	106 MHz	96.4 mm	3-4,

AM IF & RF ALIGNMENT

Output of signal generator should be no higher than necessary to obtain an output reading. Set band selector to AM. Set volume control to maximum. Set tone control to treble. Set balance control to center.					
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
1 Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz (400 Hz Mod.)	Point of non-interference (on/about 66 kHz).	Output meter across EXT SP Jack (L). (refer to fig. 1)	T4 (1st IFT) T6 (2nd IFT) T9 (3rd IFT) (fig. 30)	Adjust for maximum output.
2 Fashion loop of several turns of wire and radiate signal into loop of receiver.	550 kHz (400 Hz Mod.)	550 kHz	Output meter across EXT SP Jack (L). (refer to fig. 1)	L6 (OSC coil) L5 (ANT coil) (fig. 30)	Adjust for maximum output by sliding C (L5) along ferrite core.
3 Fashion loop of several turns of wire and radiate signal into loop of receiver.	1500 kHz (400 Hz Mod.)	1500 kHz	Output meter across EXT SP Jack (L). (refer to fig. 1)	C32 (OSC trimmer) C26 (ANT trimmer) (fig. 29)	Adjust for maximum output. Repeat steps (2) and (3).

Note: 1. Seal antenna bobbin with wax after completing alignment.
2. Remove line cord antenna from FM external antenna terminal when aligning.
3. Make certain that speaker system or 8 ohm dummy load is connected to the EXT SP Jack when aligning.

FM IF & DETECTOR ALIGNMENT WITH OSCILLOSCOPE

EQUIPMENT REQUIRED

Signal generator that provides 10.7 MHz marker.
Sweep generator that provides 10.7 MHz center frequency and 400 kHz sweep width.

OSCILLOSCOPE

Set sweep selector of oscilloscope to external sweep. Apply 60 Hz sweep signal from sweep generator to horizontal input terminals of oscilloscope.

Set band selector to FM.
Set volume control to minimum.

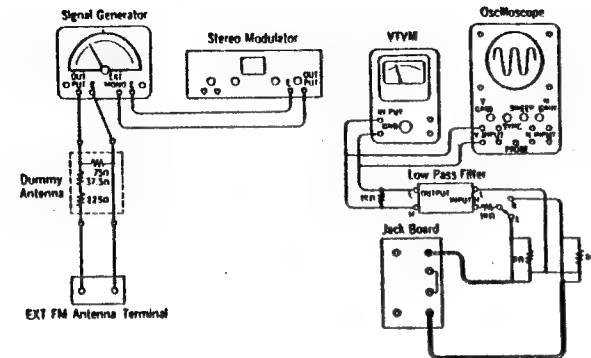
Set tone control to treble.

Set balance control to center.

Set AFC switch to OFF.

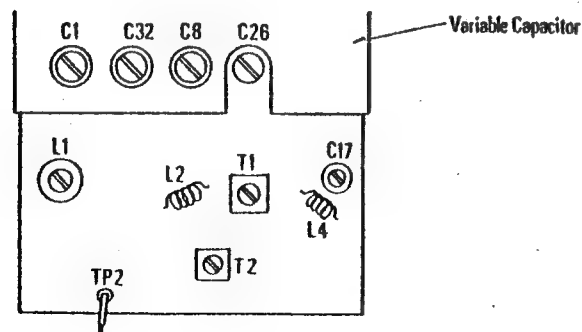
Note: Unsolder lead between test point TP3 and point A before alignment, and resolder it after alignment.

SWEEP GENERATOR COUPLING	SIGNAL GENERATOR COUPLING	RADIO DIAL SETTING	INDICATOR	ADJUSTMENT	REMARKS
1 High side thrn. 1 pico-farad to point TP2 (fig. 29). Common to chassis.	High side thrn. 1 pico-farad to point TP2 (fig. 29). Common to chassis.	Point of non-interference (on/about 90 MHz).	Connect vert. amp. of scope to point TP3 (fig. 23). Common to chassis.	T1 (FM 1st IFT) T2 (FM 1st IFT) T3 (FM 2nd IFT) T5 (FM 3rd IFT) T7 (FM 4th IFT) (fig. 29 & 30)	Adjust for maximum amplitude and proper linearity between ± 100 kHz markers (Refer to fig. 17.)
2 High side thrn. 1 pico-farad to point TP2 (fig. 29). Common to chassis.	High side thrn. 1 pico-farad to point TP2 (fig. 29). Common to chassis.	Point of non-interference (on/about 90 MHz).	Connect vert. amp. of scope to point TP4 (fig. 30). Common to chassis.	T8 (FM 4th IFT) (fig. 30)	Adjust T8 so that 10.7 MHz marker is at the center. (Refer to fig. 18.)



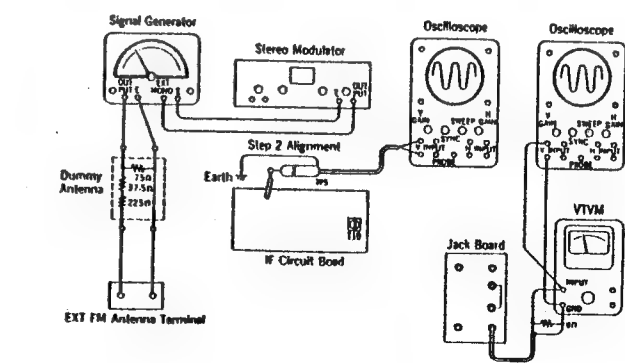
Recommended Equipment Connections for Separation Alignment

Fig. 28



RF Circuit Board

Fig. 29



Recommended Equipment Connections for Multiplex Coil Alignment

Fig. 27

FM-STEREO ALIGNMENT

MULTIPLEX COIL ALIGNMENT

Equipment required:

Stereo modulator.....Connect stereo modulator output to EXT MOD. terminal of signal generator.

Signal generatorModulation rate of 19 kHz Pilot signal 8~10%

Output level60 dB

FrequencyApprox. 98 MHz

Oscilloscope

Dummy antenna

VTVM

Procedure:

TunerSelector switch to FM STEREO, dial setting to approx. 98 MHz, AFC switch to OFF, tone control to TREBLE, balance control to CENTER, volume control to audible level of speaker sound.

SEPARATION ALIGNMENT

Equipment required:

Stereo modulator.....Connect stereo modulator output to EXT MOD. terminal of signal generator.

Signal generatorModulation rate by 19 kHz pilot signal 8~10%

Modulator rate by left signal 27%

Output level60 dB

Oscilloscope

Dummy antenna

VTVM

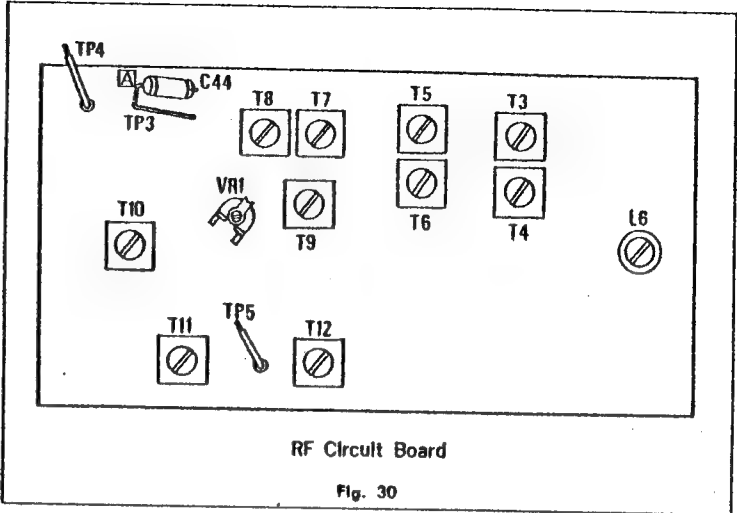
Low pass filter

Procedure:

TunerSelector switch to FM STEREO, dial setting to approx. 98 MHz, AFC switch to OFF, tone control to TREBLE, balance control to center. Adjust volume control so that output levels from both units becomes equal.

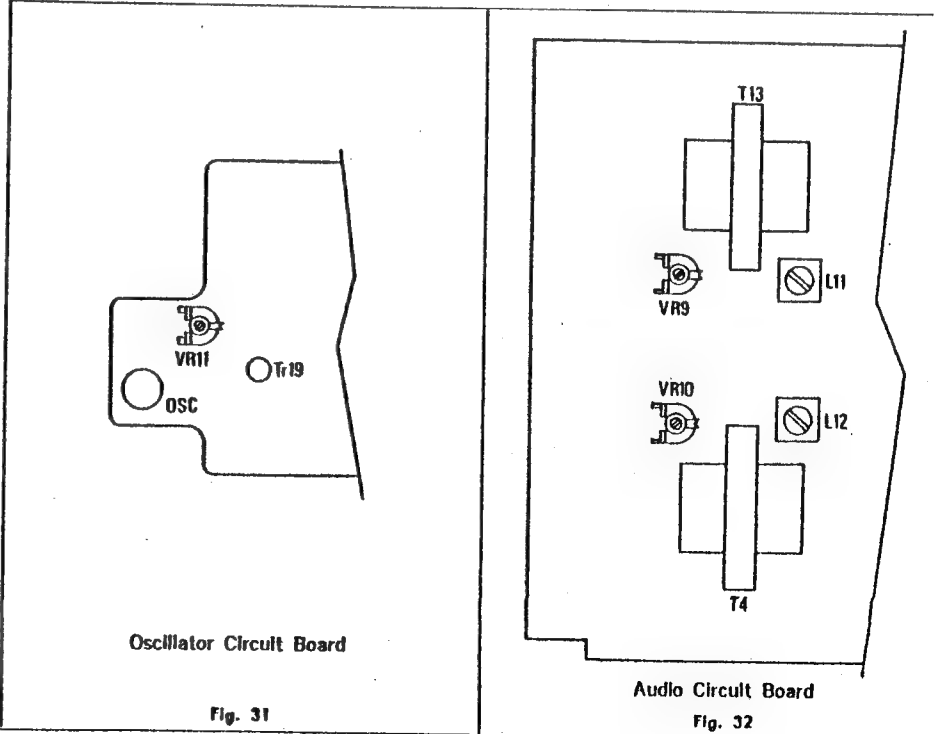
ITEM	SIGNAL SOURCE CONNECTION	EQUIPMENT CONNECTION	ADJUSTMENT	REMARKS
1 Adjustment of pilot signal	98 MHz, 30 dB (fig. 27)	TP5 (fig. 30)	T10 T11 T12 (fig. 30)	<ul style="list-style-type: none">Set stereo (L+R) modulation to zero.Measure pilot signal only, and adjust for maximum.
2 Adjustment of separation.	98 MHz, 60 dB modulation by L signal. (fig. 28)	Connect VTVM and 8Ω resistor to EXT SP Jack. (fig. 28)	T10 VR1 (fig. 30)	<ul style="list-style-type: none">Adjust VR control so that CH1 output becomes 0.63 V.Slightly adjust T10 so that this output becomes maximum.Then change the modulation by R signal only, and adjust semi-fixed volume VR1 so that CH1 output becomes minimum.Likewise modulate by L signal only, and adjust VR1 so that CH2 output becomes minimum.
3 Measurement of stereo eye lighting level.	98 MHz (fig. 27)	—	—	<ul style="list-style-type: none">Adjust output of signal generator, and make sure that stereo eye lights at 13~30 dB.

Note: When aligning, remove line cord antenna attached to external FM antenna terminal.



RF Circuit Board

Fig. 30

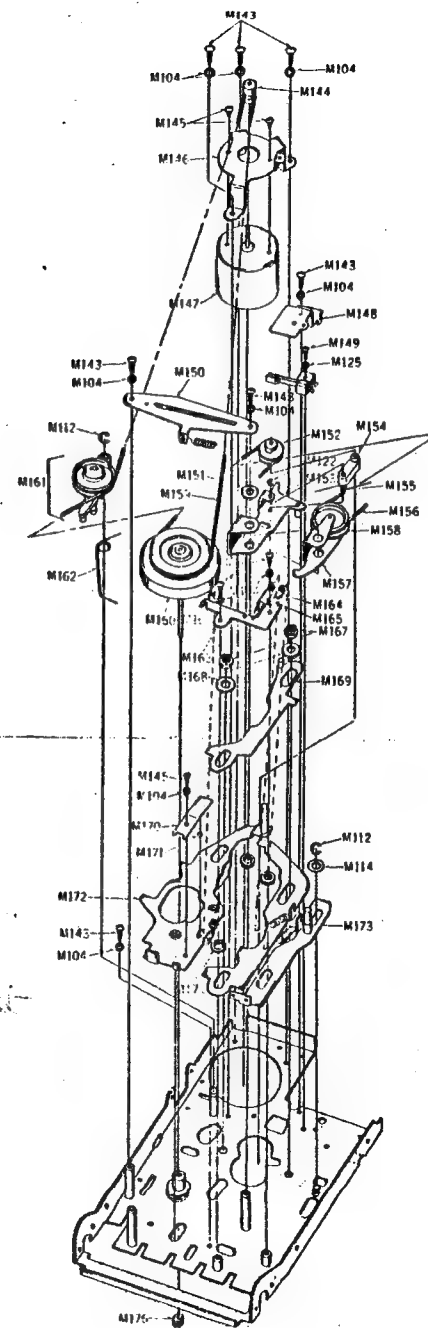
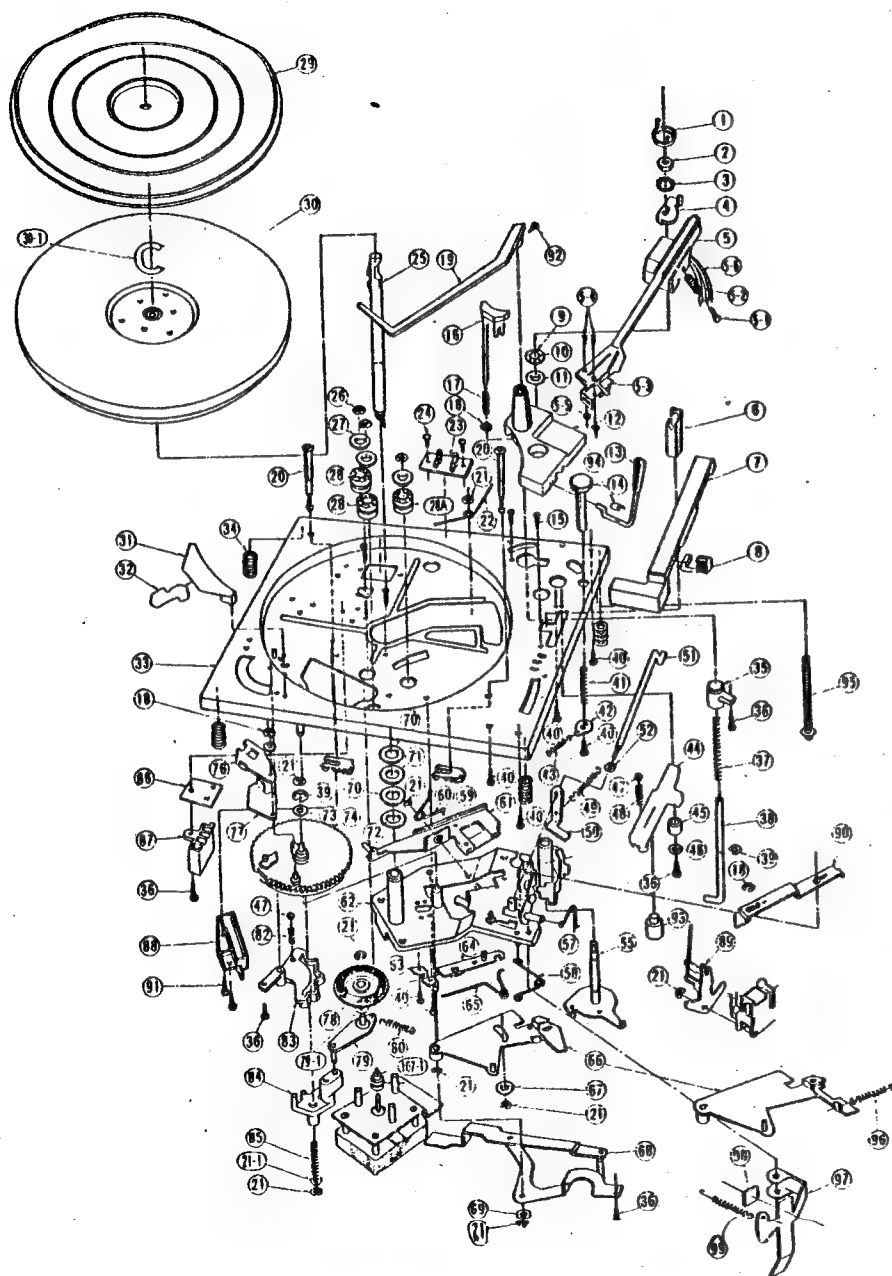


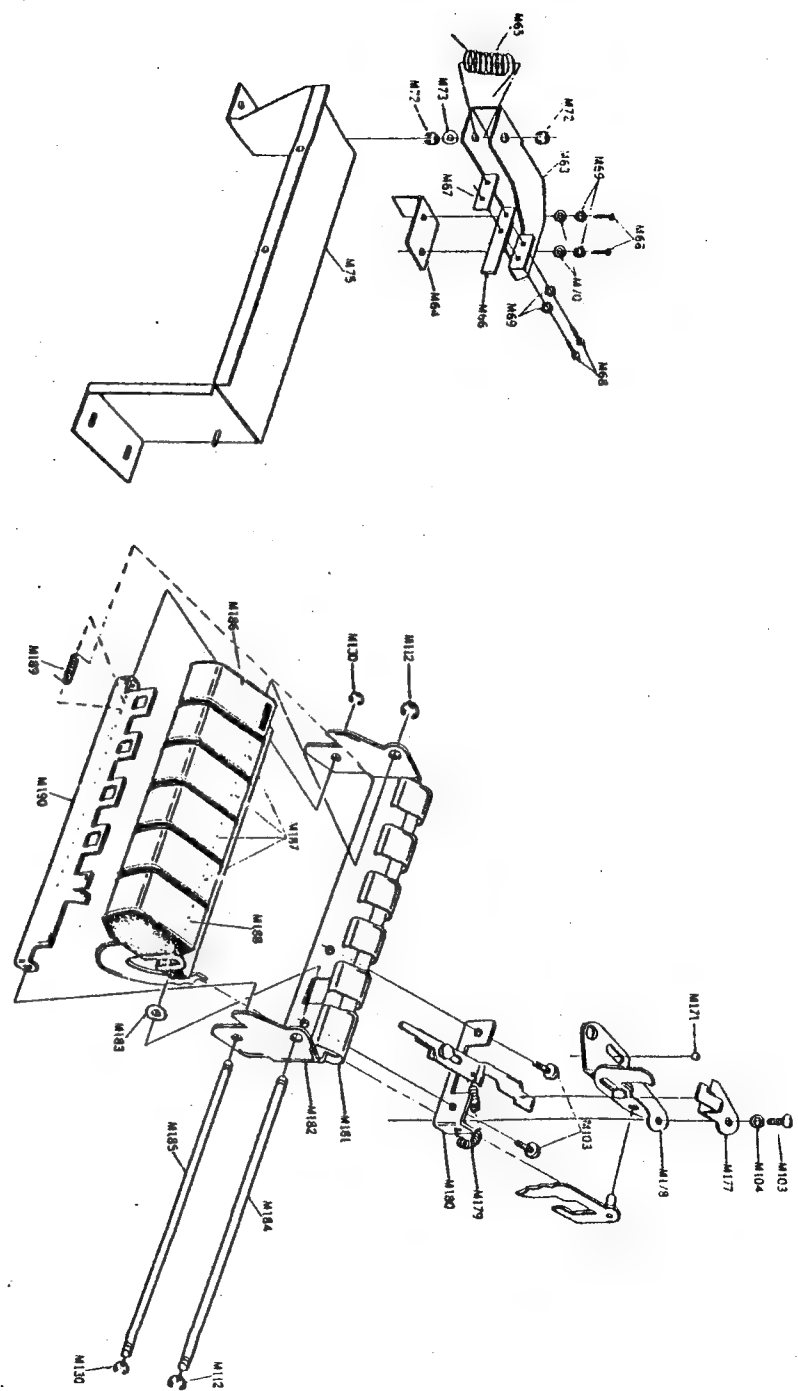
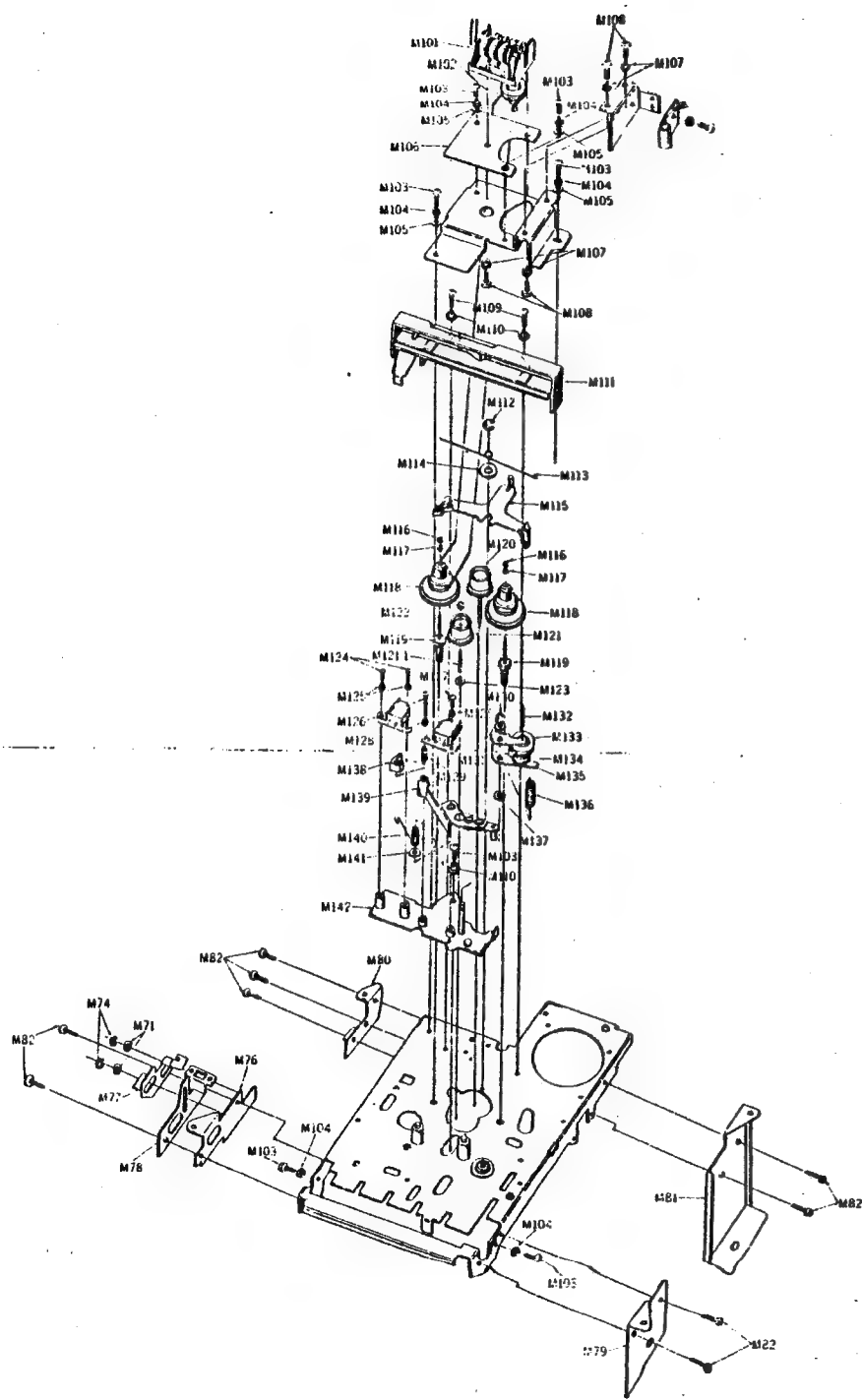
Oscillator Circuit Board

Audio Circuit Board

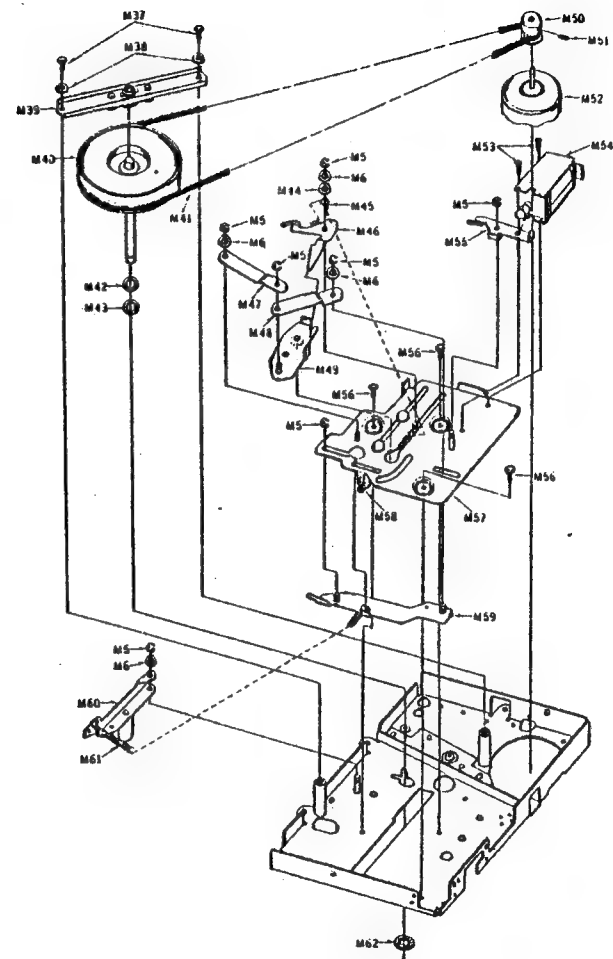
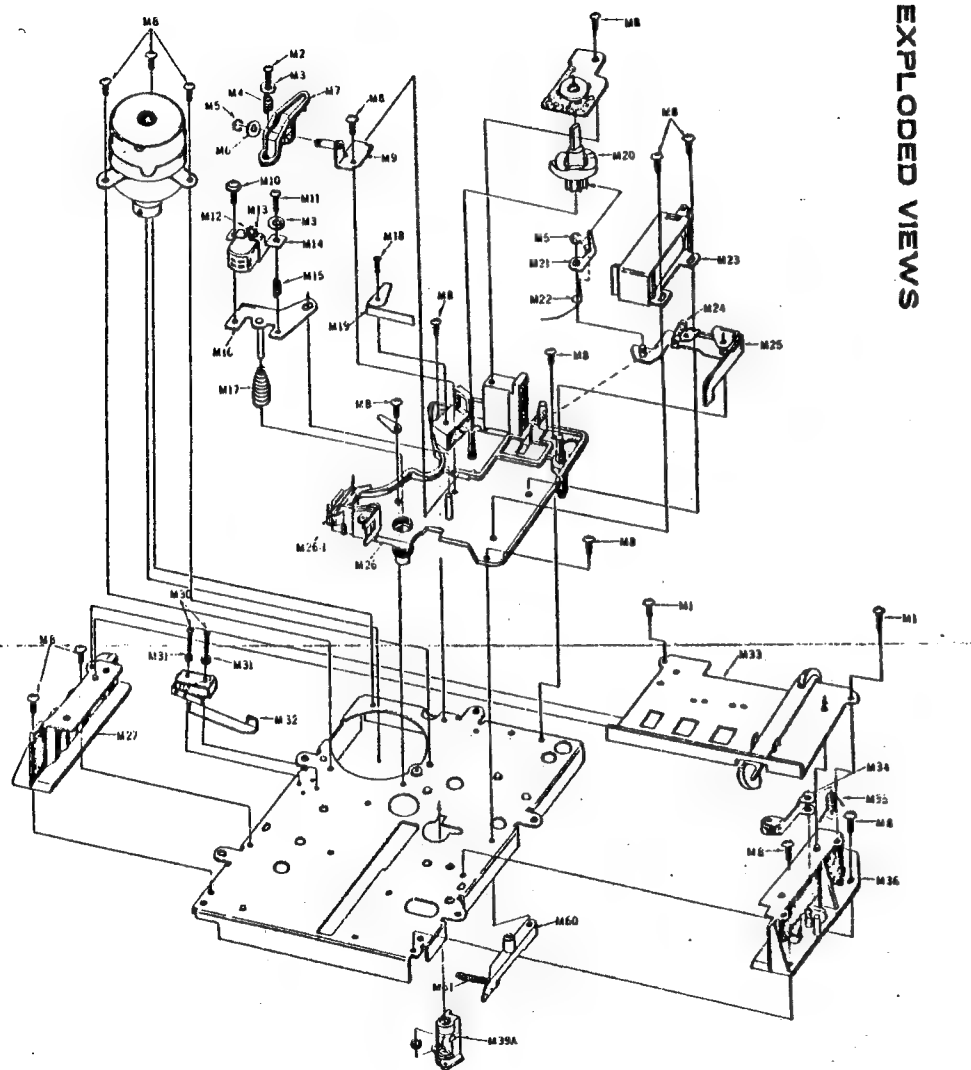
Fig. 31

Fig. 32





EXPLODED VIEWS



REPLACEMENT PARTS LIST

MODEL RS-876S (PANASONIC)

ATTENTION:

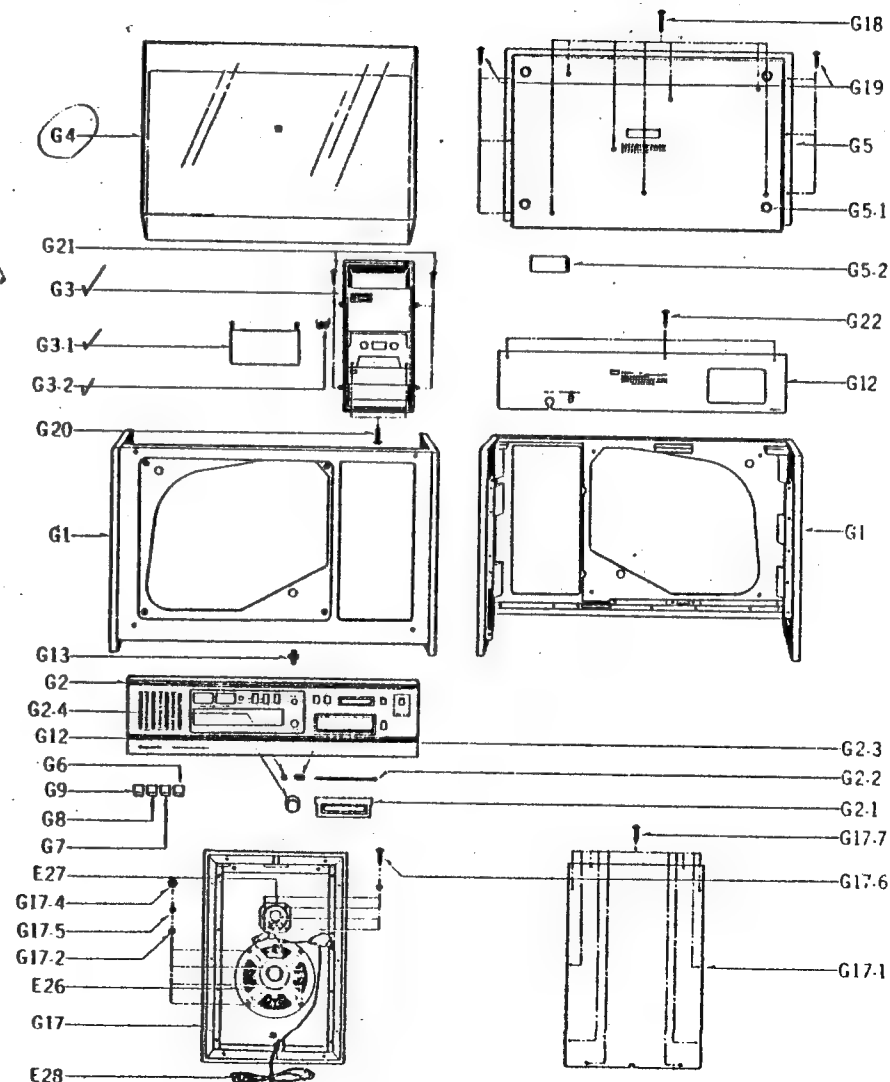
1. Be sure to make your orders of Replacement parts according to this List.
2. " ★ " Indicates the New Parts.
3. " (S) " Indicates the ISO Screw or Nut.



RS-876S

Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
		MECHANICAL PARTS			
	M1	Tapping Screw $\varnothing 3 \times 12$	XTB3+12B	2	
	M2	Head Height Adjust Screw	QH0108B	1	3
	M3	Flat Washer 3 ϕ	XWA3BN	2	
	M4	Head Height Adjust Spring	QBC1167	1	3
	M5	Stop Ring E3 ϕ	XUC3FT	9	
	M6	Fiber Washer 4.2 \times 9 \times 0.5	QBK7005	5	
	M7	Operation Arm	QML2058	1	5
	M8	Tapping Screw $\varnothing 3 \times 8$	XTB3+8B	15	
	M9	Operating Arm Retainer Unit	QXH0115	1	3
	M10	Sems Screw $\varnothing 3 \times 6$	XYN3+C6	1	5
	M11	Screw $\varnothing 3 \times 10$	XSN3-10S	1	3
	M12	Screw $\varnothing 2.6 \times 8$	XSN26+8	1	3
	M13	Nut 2.6 ϕ	XNG26G	1	3
	M14	Head Holding Angle	QMH1184	1	
	M15	Head Angle Adjust Spring	QBC1166	1	
	M16	Vertical Table Assembly	QXH0113	1	3
	M17	Head Pressure Spring	QBC1168	1	3
	M18	Tapping Screw $\varnothing 2 \times 6$	XTN2+6B	1	3
	M19	Stop Spring	QBP1400	1	2
	M20	Cam	QMF1486	1	3
	M21	Ratchet Plate	QMF1436	1	2
	M22	Ratchet Spring	QBN1249	1	2

CABINET PARTS



RS-8761

Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	M51	Motor Pulley Set Screw @3x6	XSN3+6	1	10	
	M52	Motor Assembly	QDM1345	1	20	15
	M53	Tapping Screw @3x6	XTB3+6B	2		
	M54	Plunger	QME0129A	1	10	1
	M55	Lock Release Lever	QML2404	1	3	
	M56	Sems Screw @3x4	XYN3+C4	3		
	M57	Eject Plate Unit	QXH0138	1	3	
	M58	Return Spring	QBT1650	1	3	
	M59	Toggle Plate Unit	QXL0519	1	3	
	M60	Lock Lever Unit	QXL0704	1	3	
	M61	Lock Lever Spring	QBT1648	1	3	
	M62	Oil Leak Prevent Washer	QBG1351	1		
	M63	Record Lever	QML2375	1	2	
	M64	Adjust Angle	QMA1809	1	3	
	M65	Record Lever Spring	QBN1270	1	3	
	M66	Record Interlock Spring	QBP1366	1	3	
	M67	Record Interlock Adjust Plate	QBP1326	1	3	
	M68	Screw @2.6x6	XSN26+6	4		
	M69	Lock Washer 2.6φ	XWC26BPK	4		
	M70	Flat Washer 2.6φ	XWG26F	2		
	M71	Fiber Washer 4.2x11x0.5	QBK7007	2		
	M72	Stop Ring E5φ	XUC5FK	2		
	M73	Fiber Washer 6.2x11x0.5	QBK7056	1		
	M74	Stop Ring E3φ	XUC3FK	2		
	M75	Mecha. Retainer Angle Unit	QEL1272	1	2	
	M76	Mecha. Angle-B Unit	QEL1273	1	2	
	M77	Record Interlock Rod Unit	QXM0118	1	2	
	M78	Switch Angle	QMA1602	1	2	
	M79	Mecha. Angle-A	QMA1805S	1	2	

RS-8

Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	M23	Plunger	QME0130A	1	10	1
	M24	Program Selector Spring	QBT1560	1	2	
	M25	Change Arm Assembly	QXL0679	1	2	
	M26	Head Base Plate Assembly	QXK1313	1	2	
	M26-1	Sensing Plate	QMH1216	2	2	
	M27	Cartridge Guide-L Assembly	QXQ0065A	1	3	
	M30	Screw @2x12	XSN2+12	2		
	M31	Spring Washer 2φ	XWA2C	2		
	M32	Actuator	QBP1341	1	5	
	M33	Reinforcement Plate Assembly	QXH0147	1	2	
	M34	Eject Safety Lever Unit	QXL0475	1	3	
	M35	Eject Safety Spring	QBN1220	1	3	
	M36	Cartridge Guide-R	QMG0001A	1	3	
	M37	Sems Screw @2.6x6	XYN26+C6	3		
	M38	Flat Washer 2.6φ	XWG26	3		
	M39	Flywheel Retainer Unit	QXH0154	1	5	
	M39A	Capstan Metal Unit	QXQ0055A	1	3	
	M40	Flywheel Unit	QXF0081A	1	3	
	M41	Flywheel Belt	QD80137	1	20	5
	M42	Fiber Washer 6.2x11x0.25	QBK7003	1		
	M43	Fiber Washer 6.2x11x0.5	QBK7056	1		
	M44	Fiber Washer 4.2x9x0.25	QBK7007	1		
	M45	Eject Spring	QBN1177	1	3	
	M46	Toggle Plate-C	QMF1435A	1	3	
	M47	Right Toggle Plate	QMF1432	1	3	
	M48	Left Toggle Plate	QMF1433	1	3	
	M49	Lock Arm Unit	QXH0139	1	3	
	M50	Motor Pulley	QDP1397	1	10	

RS-876S

Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	M127	Screw $\varnothing 2 \times 4$	XSN2-4	1		
	M128	Flat Washer 2 ϕ	XWG2BW	1		
	M129	Head Adjust Spring	QBC1103	1	10	
	M130	Stop Ring E2.3 ϕ	XUC23FT	3		
	M131	Nylon Washer 3.2 \times 6 \times 0.3	QB.K0050	1	100	
	M132	Pressure Roller Shaft	QMN1295	1	10	
	M133	Pressure Roller	QDP1306	1	50	
	M134	Stop Gear	QOG1029	1	30	
	M135	Pressure Roller Lever	QMLA0014	1	5	
	M136	Pressure Roller Spring	QBN1112	1	5	
	M137	Nylon Washer 4.2 \times 7 \times 0.15	QB.K0053	1	100	
	M138	Detecting Piece	QB.K0049	1	5	
	M139	Stop Lever-Z Assembly	QMLA0013	1	5	
	M140	Stop Lever Spring	QBN1105	1	5	
	M141	Washer 4.2 \times 7 \times 0.5	QB.K0025	1		
	M142	Head Plate Assembly	QXKK0048	1	2	
	M143	Screw $\varnothing 2.6 \times 5$	XSN26+5	8		
	M144	Motor Pulley Assembly	QXP0252	1	10	
	M145	Screw $\varnothing 2.6 \times 3$	XSN26+3	3		
	M146	Motor Holding Angle	QMA1461	1		
					4	
X	M147	Motor	QDM0968	1	40	15
	M148	Leaf Switch Angle	QMA1703	1	5	
	M149	Screw $\varnothing 2 \times 6$	XSN2+6	1		
	M150	Flywheel Retainer Assembly	QXH0050	1	3	
	M151	Fiber Washer 5.2 \times 9 \times 1	QBK7138	1		
	M152	Fast Forward Pulley	QDP1286	1	5	
	M153	Fast Forward Lever Assembly	QXL0258	1	5	
	M154	Fast Forward Lever-B	QBJ1380	1	3	
	M155	Gear Lever Spring	QBN1084	1	3	
	M156	Fast Forward Belt	QDB0114	1	50	5

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	M80	Mecha. Angle-C	QMA1807S	1	2	
	M81	Mecha. Angle-D	QMA1808S	1	2	
	M82	Tapping Screw $\varnothing 3 \times 8$	XTN3+8	9		
	M101	Tape Counter	QDC0025S	1	15	2
	M102	- felt	QDB0136	1	5	
	M103	Screw $\varnothing 2.6 \times 5$	XSN26+5	10		
	M104	Spring Washer 2.6 ϕ	XWA26BFX	16		
	M105	Flat Washer 2.6 ϕ	XWG26BFX	4		
	M106	Tape Counter Base Plate	QMF1343	1		
	M107	Spring Washer 3 ϕ	XWA3BFX	4		
	M108	Screw $\varnothing 3 \times 6$	XSN3+6S	4		
	M109	Screw $\varnothing 2.6 \times 8$	XSN26+8	2		
	M110	Lock Washer 2.6 ϕ	XWC26BFX	3		
	M111	Cassette Retainer	QXQK0014	1	3	
	M112	Stop Ring E3 ϕ	XUC3FT	5		
	M113	Brake Spring	QBN1088	1	5	
	M114	Fiber Washer 2.6 ϕ	XWC26BFX	3		
	M115	Brake	QBJ1381	1	5	
	M116	Stop Ring E1.2 ϕ	XUC12FT	2		
	M117	Washer	QB.K0015	2		
	M118	Reel Table Assembly	QXPK0023	2	40	
	M119	Reel Table Shaft Assembly	QXSA0002	2	10	
	M120	Fast Forward Gear	QBJ1383	1	10	
	M121	Rewind Gear	QBJ1384	1	10	
	M121-1	Rewind Gear Shaft	QMS1563	1	5	
	M122	Stop Ring E1.5 ϕ	XUC15FT	2		
	M123	Nylon Washer 2.1 \times 4 \times 0.5	QBJ3108	1	10	
	M124	Screw $\varnothing 2 \times 6$	XSN2-6	2		
	M125	Spring Washer 2 ϕ	XWA2BFX	4		
	M126	Head Adjust Spring $\varnothing 2 \times 10$	XSN2-10	1		

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	M187	Push Button Assembly	QXBK0030	4	40	
	M188	Cassette Ejection Button Assembly	QXBK0032	1	10	
	M189	Lock Plate Spring	QBN1090	1	5	
	M190	Push Button Lock Plate	QMF1391	1	5	
		RECORD CHANGER (ARC-50G) PARTS LIST				
	1000	Mechanism Base Plate Assembly	G0881		4	1
	1	Spring	G4519			
	2	Nut	G5053S			
	3	Washer	G4036			
	4	Binder	G8526			
	5	Pickup Assembly	PCD506S(C)		10	
	5-1	Lead in Adjust Screw	EG82778			
	5-2	Lead in Adjust Spring	EG8273			
	5-3	Cartridge Mounting Spring	EG81208			
	5-4	Screw	EG83031			
	5-5	Nut	EG82809			
	5-6	Lead Wire Assembly	EG83043			
	6	Rest Assembly	G8849A			
	7	Control Panel	G3525B			
	8	Knob	G8508			
	9	Steel Ball 1/16"	1/16"			
	10	Bearing Holder	G6246			
	11	Thrust Washer	G8523B			
	12	Pickup Boss	G2172			
	13	Cue Lever	G8523B			
	14	Knob	G4004			
	15	Tapping Screw (B3x6)	LPSP3006ZS			
	16	Elevator Assembly	G3473			
	17	Spring (Elevator)	G8521			
	18	E Ring E 3φ	REE3000			

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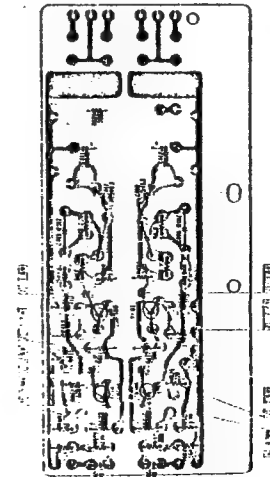
Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	M157	Connection Pulley Lever Assembly	QXL0257	1	5	
	M158	Connection Pulley	QBJ1386	1		
	M159	Flywheel Belt	QDBK0005	1	50	4
	M160	Flywheel Assembly	QXF0061	1	5	
	M161	Takeup Lever Assembly	QXLK0070	1	50	
	M162	Takeup Lever Spring	QBN1087	1	30	
	M163	Spring Hanger	QMF1326	1	3	
	M164	Record Rod Spring	QBT1372	1	3	
	M165	Rewind Rod Spring	QBT1371	1	3	
	M166	Playback Rod Spring	QBT1369	1	3	
	M167	Nut M4φ	XNG4ES	2		
	M168	Fiber Washer 5.7x10x1	QBK7137	2		
	M169	Fast Forward Rod Assembly	QXM0051	1	2	
	M170	Steel Ball Pressure Spring	QBP1198	1	3	
	M171	Thrust Steel Ball 3/32"	QDK1002	3		
	M172	Playback Rod Assembly	QXMK0010	1	2	
	M173	Record Rod Assembly	QXMK0011	1	2	
	M174	Pole Collar-A	QBJ1393	2	2	
	M175	Pole Collar-B	QBJ1394	1	2	
	M176	Pinion Gear	QDG1025	1	2	
	M177	Lever Pressure Angle	QMA1512	1	2	
	M178	Cassette Ejection Holder Assembly	QXH0048	1	2	
	M179	Lock Release Spring	QBT1424M	1	2	
	M180	Stop Lever-B Assembly	QXLK0027	1	2	
	M181	Push Button Spring-D	QBP1242	1	2	
	M182	Push Button Flame-Z	QMAA0013	1	3	
	M183	Fiber Washer 4.2x9x0.5	QBKK0001	1		
	M184	Push Button Shaft 4φ	QMS1571	1		
	M185	Push Button Shaft 3φ	QMS1572	1		
	M186	Record Button Assembly	QXBK0031	1	10	2

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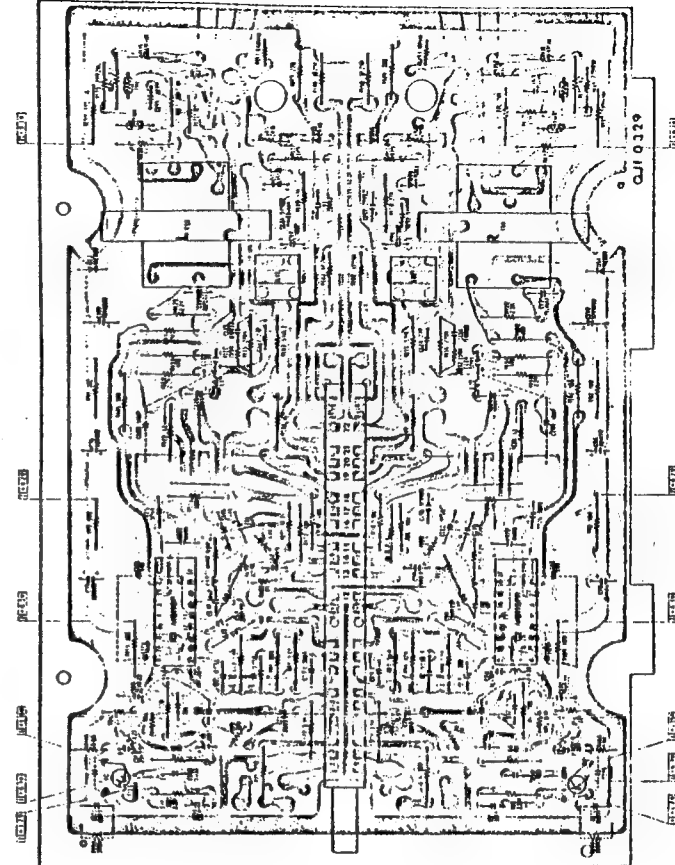
Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	19	Support	G2171		5	
	20	Mounting Screw	G8353-1S			
	21	E Ring 3φ	REE3000			
	21-1	Washer	G8570			
	22	Reject Spring	G8512			
	23	Jack Assembly	G6119B			
	24	Rivet	RTA3004			
	25	Spindle Assembly	G3474A		50	5
	26	E Ring E4φ	REE4000			
	27	Washer	G8570			
	28	Rubber Bushing	M4728			
	28A	"	52992-2			
	29	Turn Table Cover	G2170A		5	
	30	Turn Table Assembly	G2169A		5	
	30-1	C Ring	G4039-1		20	
	31	Speed Change Cover	G3523			
	32	Knob (Speed Change)	G8846			
	33	Motor Board Assembly	G1150-AS			
	34	Flowing Spring	G8501-2			
	35	Bracket	G8845		5	
	36	Tapping Screw Ø3×8	SBSB3008Z			
	37	Spring	G4003		5	
	38	Supporting Rod	G8522		5	
	39	E Ring E5φ	REE5000			
	40	Tapping Screw Ø3×6	SBSB3006Z			
	41	Spring	G4003			
	42	Plate (Anti Skating)	G4005			
	43	Spring (inside Force)	G40506			
	44	Knob (Record Select)	G4372			
	45	Spacer	G4500-2			

CIRCUIT BOARD

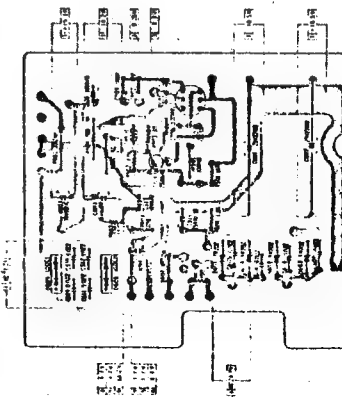
PRE AMPLIFIER CIRCUIT BOARD



MAIN CIRCUIT BOARD



OSCILLATOR & POWER CIRCUIT BOARD



NOTE:
This circuit shown in green on the conductor side is - 8 circuit.
The circuit shown in red on the conductor side is - 8 circuit.
Voltage indicated in : : are DC voltage between the chassis and electrical parts.
Numerals show values of voltage in:
1...AUT. PHONO, 2...Phonograph, 3...Recording, 4...FM MONO, 5...FM ST, and 6...AM, respectively.

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	79-1	Washer	Q03093-424			
	80	Idler Arm	G8840-2		10	
	82	Spring	G8551			
	83	Cam (Speed Change)	G3522			
	84	Idler Arm	G8840-2		5	
	85	Spring (Speed Change)	G8510-2			
	86	Insulator	G8525			
	87	4P Socket Housing	E04110		10	
	88	Switch Arm Assembly	G3200SS			
	89	Shift Lever	G8548A			
	90	Trip Slide Assembly	G8555A			
	91	Tapping Screw $\Phi 3 \times 10$	S8S83010Z			
	92	Tapping Screw $\Phi 3 \times 6$	S8S83006NS		20	
	93	Stud	G8529			
	94	Spacer	G40358			
	95	Mounting Screw	G6566-3			
	96	Spring (H. Plate)	G40613			
	97	Friction Lever	G40507			
	98	Friction Rubber	G40518			
	99	"	G40508			
	107	Phono Motor Assembly	EM42241A		20	3
	107-1	Motor Pulley Assembly 50Hz	M4886-06		100	20
	107-1	Motor Pulley Assembly 60Hz	M4886-B6		100	20
		RESISTORS				
	R1. 13	Carbon Resistor 220K Ω 1/4 W	ERD14VJ224	2		
	R2. 415. 416	" 2.7K Ω 1/4 W	ERD14VJ272	3		
	R3. 8. 18	" 390 Ω 1/4 W	ERD14VJ391	2		
	R4. 411. 412	" 18K Ω 1/4 W	ERD14VJ183	3		
	R5. 407. 408. 413. 414. 419. 420	" 39K Ω 1/4 W	ERD14VJ392	7		

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	46	Spring Washer	Q03091-127			
	47	Steel Ball 3/16"	3/16"			
	48	Spring	G8511-2			
	49	"	G8559			
	50	Push off Lever	G8558			
	51	Pilot Rod	G8557			
	52	Nut M4 ϕ	NTB4000S			
	55	Arm Lever Assembly	G4515GS			
	57	Spring (Selector Lever)	G8546			
	58	Spring (ON/OFF)	G8513			
	59	Locking Clip	G6774			
	60	Spring (V. Lever)	G8563			
	61	V. Lever Assembly	G8548A			
	62	Base Sub Assembly	G2145AS			
	63	Bracket	G8569			
	64	Eject Link Plate	G8566			
	65	Spring	G8568			
	66	H. Plate Assembly	G8477A			
	67	Washer 4.2 \times 8.9 \times 0.8t	Q03091-109			
	68	Start Lever Assembly	G3468A			
	69	Washer 4.5 \times 10 \times 0.8t	Q03091-137			
	70	Thrust Washer	G4590			
	71	Bearing Assembly	G5670-4			
	72	Bearing Cushion	G8387			
	73	Washer	G8552			
	74	Main Gear Assembly	G2223A		5	
	76	Engagement Pawl	G8553			
	77	Trip Feed Plate	G8554			
	78	Idler Assembly	M4591D		30	2
	79	Idler Arm Assembly	M6016D		5	

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
	R50	Solid Resistor 22Ω 1/4 W	ERC12GM220	1	
	R51, 165, 166	" 5.6KΩ 1/4 W	ERD14VJ562	3	
	R56, 57, 99, 100	Carbon Resistor 6.8KΩ 1/4 W	ERD14VJ682	4	
	R58	" 56Ω 1/4 W	ERD14VJ560	1	
	R71, 72	" 220Ω 1/4 W	ERD14TJ221	2	
	R73, 74, 197, 198	" 27KΩ 1/4 W	ERD14TJ273	4	
	R75, 76, 159, 160, 185, 186, 187, 188	" 100Ω 1/4 W	ERD14TJ101V	8	
	R77, 78	Carbon Resistor 3.3KΩ 1/4 W	ERD14TJ332V	2	
	R79, 80	" 68KΩ 1/4 W	ERD14VJ683	2	
	R81, 82, 169, 170	" 220Ω 1/4 W	ERD14TJ221V	4	
	R83, 84, 97, 98, 143, 144	" 5.6KΩ 1/4 W	ERD14TJ562V	6	
	R85, 86, 199, 200	" 82KΩ 1/4 W	ERD14TJ823V	2	
	R87, 88	Carbon Resistor 1.8KΩ 1/4 W	ERD14TJ182V	2	
	R89, 90	" 560Ω 1/4 W	ERD14TJ561V	2	
	R91, 92	" 180Ω 1/4 W	ERD14TJ181V	2	
	R95, 96	" 47Ω 1/4 W	ERD14VJ470	2	
	R111, 112	" 150KΩ 1/4 W	ERD14TJ154V	2	
	R113, 114, 121, 122	Carbon Resistor 2.2KΩ 1/4 W	ERD14TJ222V	4	
	R115, 116	" 270KΩ 1/4 W	ERD14TJ274V	2	
	R117, 118, 133, 134	" 470Ω 1/4 W	ERD14TJ471V	4	
	R119, 120	" 33KΩ 1/4 W	ERD14TJ333V	2	
	R123, 124	" 12Ω 1/4 W	ERD14TJ120V	2	
	R125, 126, 127, 128	Wire-wound Resistor 270Ω 2 W	ERM2P471	4	
	R129, 130, 131, 132	Carbon Resistor 8.2Ω 1/4 W	ERD14TJ8R2V	4	
	R135, 136, 137, 138	Wire-wound Resistor 0.47Ω 1/2 W	ERM12PKR47	4	
	R139, 140	Carbon Resistor 330Ω 1/2 W	ERD12TJ331C	2	
	R141, 142, 501	" 10KΩ 1/4 W	ERD14TJ103V	3	
	R147, 148	Wire-wound Resistor 47Ω 2 W	ERM2P470	2	

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
	R6, 16, 17, 606	Carbon Resistor 3.3KΩ 1/4 W	ERD14VJ332	4	
	R7, 20, 23, 68, 70, 405, 406, 603	" 220Ω 1/4 W	ERD14VJ221	8	
	R9, 109, 110, 409, 410, 417, 418	" 100KΩ 1/4 W	ERD14VJ104	1	
	R10	" 47Ω 1/4 W	ERD14VJ470	1	
	R11, 46, 48, 93, 94, 171, 172, 604, 605	" 100Ω 1/4 W	ERD14VJ101	8	
	R12, 151, 152	Carbon Resistor 120Ω 1/4 W	ERD14VJ121	3	
	R14, 36	" 820Ω 1/4 W	ERD14VJ821	2	
	R15	" 150KΩ 1/4 W	ERD14VJ154	1	
	R19, 101, 102, 103, 104	" 470Ω 1/4 W	ERD14VJ471	5	
	R21	" 680Ω 1/4 W	ERD14TJ681	1	
	R22	Carbon Resistor 2.2KΩ 1/4 W	ERD14VJ222	1	
	R24	" 470Ω 1/4 W	ERD14TJ471	1	
	R25, 26, 47, 52, 53, 54, 55, 183	" 1KΩ 1/4 W	ERD14VJ102	8	
	R27, 28, 107, 108, 502	" 4.7KΩ 1/4 W	ERD14VJ472	5	
	R29	" 12KΩ 1/4 W	ERD14VJ123	1	
	R32	Carbon Resistor 8.2KΩ 1/4 W	ERD14TJ822	1	
	R33	" 22KΩ 1/4 W	ERD14VJ223	1	
	R34	" 100KΩ 1/4 W	ERD14VJ104	1	
	R35, 105, 106	" 8.2KΩ 1/4 W	ERD14VJ822	3	
	R37	" 68Ω 1/4 W	ERD14VJ680	1	
	R38	Carbon Resistor 470KΩ 1/4 W	ERD14TJ474	1	
	R39	" 270KΩ 1/4 W	ERD14VJ274	1	
	R40	" 1.5KΩ 1/4 W	ERD14VJ152	1	
	R41, 45, 193, 194	" 390KΩ 1/4 W	ERD14VJ394	4	
	R42	" 1.2KΩ 1/4 W	ERD14VJ122	1	
	R43	Carbon Resistor 820Ω 1/4 W	ERD14VJ820	1	
	R44, 201, 202	" 10KΩ 1/4 W	ERD14VJ103	3	
	R49, 145, 146	" 680Ω 1/4 W	ERD14VJ681	3	

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
	C5,6,15,42,43	Ceramic Capacitor 0.001 μ F	ECKD2H102PE	5	
	C10	" 8 pF	ECCD1H080C	1	
	C11	Ceramic Capacitor 4 pF	ECCD1H040C	1	
	C12, 179, 180, 183, 184	" 180 pF	ECCD1H181K	5	
	C13, 54	" 7 pF	ECCD1H070D	2	
	C14	" 15 pF	ECCD1H150K	1	
	C16, 20, 30, 36, 39	" 1 pF	ECCD1H010C	5	
	C17	Ceramic Trimmer Capacitor	ECV12W10P32	1	
	C21, 29, 181, 182	Ceramic Capacitor 0.01 μ F	ECKD1H103PF	4	
	C22, 28, 28-1	" 0.01 μ F	ECKD1H103MD	3	
	C27	Styrol Capacitor 270 pF	ECQS1271JZ	1	
	C34	Ceramic Capacitor 3 pF	ECCD1H030C	1	
	C41	Ceramic Capacitor 47 pF	ECCD1H470K9	1	
	C44	Electrolytic Capacitor 4.7 μ F	ECEB25V4R7N	1	
	C46	Styrol Capacitor 390 pF	ECQS1391KZ	1	
	C48, 56, 57, 61	Myral Capacitor 0.022 μ F	ECQM05223MZ	4	
	C49, 50, 73, 74, 83, 84	Electrolytic Capacitor 10 μ F	ECEA16V10L	6	
	C51, 109, 110	Electrolytic Capacitor 1000 μ F	ECEA10V1000L	3	
	C53, 71, 72, 85, 86, 89, 90, 97, 98, 163, 164, 175, 176, 401, 402, 405, 406, 417, 418	" 3.3 μ F	ECEA25V3R3L	13	
	C55, 58	Styrol Capacitor 4700 pF	ECQS1472KZ	2	
	C59, 165	Electrolytic Capacitor 100 μ F	ECEA10V100L	2	
	C60	Styrol Capacitor 1200 pF	ECQS1122KZ	1	
	C62, 111, 112, 125, 126	Electrolytic Capacitor 1 μ F	ECEA50V1L	11	
	C63	Myral Capacitor 0.1 μ F	ECQM05104MZ	1	
	C64, 65, 66, 67	" 0.0047 μ F	ECQM05472KZ	4	
	122, 171, 172	" 0.001 μ F	ECQM05102MZ	6	
	C77, 78	" 0.0039 μ F	ECQM05392MZB	2	

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
	R149, 150	Wire-wound Resistor 10 Ω 2 W	ERM2P100	2	
	R153, 154, 189, 190	" 10 Ω 6 W	ERM6P100	4	
	R161, 162	Solid Resistor 2.2 M Ω 1/4 W	ERC14GK225C	2	
	R163, 164	Carbon Resistor 390 K Ω 1/4 W	ERD14TJ394V	2	
	R173, 174, 181, 182	Carbon Resistor 22 K Ω 1/4 W	ERD14VJ223	4	
	R175, 176	" 33 K Ω 1/4 W	ERD14VJ333	2	
	R177, 178	" 82 K Ω 1/4 W	ERD14VJ823	2	
	R179, 180	" 18 K Ω 1/4 W	ERD14TJ183V	2	
	R195, 196	" 1 K Ω 1/4 W	ERD14TJ102	2	
	R401, 402	Carbon Resistor 39 K Ω 1/4 W	ERD14VJ393	2	
	R403, 404	" 56 K Ω 1/4 W	ERD14VJ563	2	
	R421	" 560 Ω 1/4 W	ERD14VJ561	1	
	R503	" 10 Ω 1/4 W	ERD14VJ100	1	
	R504	Solid Resistor 180 Ω 1/2 W	ERC12GM181	1	
	R601	Wire-wound Resistor 27 Ω 1 W	ERM1P270	1	
	R602	Solid Resistor 47 Ω 1/2 W	ERC12GM470	1	
	R607	" 100 Ω 2 W	ERC2GM101	1	
	VARIABLE RESISTORS				
	VR1	Semi-fixed Variable Resistor 1 K Ω (B)	EVL50AA00B13	1	10
	VR2	Variable Resistor 20 K Ω (B)	EVA50AA01B24	1	10
	VR3, 4	" 20 K Ω (D)	EV853AA01D24	2	15
	VR5, 6, 7, 8	" 50 K Ω (C)	EV850AA01C54	2	15
	VR9, 10	Semi-fixed Variable Resistor 5 K Ω (B)	EVL43AA00B53	2	15
	VR501	Semi-fixed Variable Resistor 100 K Ω (B)	QVL00AA00B15	1	10
	CAPACITORS				
	C1, 2, 8, 9, 18, 25, 26, 32, 33	Variable Capacitor	ECV5XR27B14S	1	
	C3, 19, 23	Ceramic Capacitor 10 pF	ECCD1H100F	3	
	C4, 7, 24, 31, 35, 37, 38, 40, 45, 52, 70, 177, 178, 185, 186, 605, 606, 607, 608, 609, 610, 611, 612	" 0.022 μ F	ECKD1H223PF	11	

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
		COMBINATION PARTS				
	CR1	CR Combination	EXAF203Z471	1	3	
	CR2, 3	"	B3EN0101	2	X	
		TRANSISTORS				
	Tr1	Transistor	2SK33	1	30	5
	Tr2, 3, 4, 5, 6, 7	"	2SC920R	6	50	
	Tr8, 9, 10, 11	"	2SC710C	4	40	
	Tr12	"	2SB324	1	20	
	Tr13, 14	"	2SC644D	2	20	
	Tr15, 16	"				
	Tr38, 39	Transistor	2SB348	2	20	
	Tr40, 41	"	2SB346	2	20	
	Tr501	"	2SA683	1	10	
		DIODES & RECTIFIERS				
	D1	Diode	SC15	1	5	
	D2	"	KB265A	1	5	
	D4, 5	"	OA90Z	2	5	
	D6, 7, 9, 10, 11, 12	"	2DA90	6	5	
	D8, 15, 16	"	OA90	3	5	
	D13, 14	Diode	MZ209	2	5	
	D17, 18	"	S0501	2	5	
	D23, 24	Silicon Diode	1S1211	2	5	
	D601, 602, 603, 604	Silicon Rectifier	FR202	4	20	
	D605	"	10DC1	1		
	D606	Silicon Rectifier	10DC1R	1		
		THERMISTORS				
	TH1, 2, 3, 4	Thermistor	QVM080A	4	5	
	TH501	"	QVM103	1	5	

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	C79, 80, 501	Mylar Capacitor 0.018 μ F	ECQM05183MZB	3		
	C81, 82	" 0.0033 μ F	ECQM05332MZB	2		
	C87, 88	" 0.0022 μ F	ECQM05222MZ	2		
	C91, 92	" 0.01 μ F	ECQM05103MZB	2		
	C93, 94	Electrolytic Capacitor 0.22 μ F	ECEA25VR22	2		
	C99, 100	Mylar Capacitor 0.0082 μ F	ECQM05822MZB	2		
	C101, 102	Aluminum Capacitor 0.15 μ F	ECAG25ER15	2		
	C103, 104	Mylar Capacitor 0.056 μ F	ECQM05563MZB	2		
	C105, 106	Electrolytic Capacitor 0.68 μ F	ECEA50VR68M	2		
	C107, 108, 151, 152	Styrol Capacitor 120 pF	ECQS1121KZ	4		
	C113, 114, 161, 162	Electrolytic Capacitor 4.7 μ F	ECEA25V4R7L	4		
	C127, 128	Ceramic Capacitor 27 pF	ECCD1H270K	2		
	C129, 130, 127, 188, 505	Mylar Capacitor 0.0047 μ F	ECQM05472MZ	5		
	C131, 132	" 0.0027 μ F	ECQM05272MZ	2		
	C133, 134	" 0.0033 μ F	ECQM05332MZB	2		
	C140	Ceramic Capacitor 1000 pF	ECKDAL102PE	1		
	C149, 150, 413, 414, 504	Mylar Capacitor 0.033 μ F	ECQM05333MZ	5		
	C159, 160	" 0.039 μ F	ECQM05393MZ	2		
	C167, 168	Electrolytic Capacitor 2.2 μ F	ECEB25Y2R2	2		
	C173	Poly-film Capacitor 0.047 μ F	ECQF4473M	1		
	C407, 408, 409, 410	Electrolytic Capacitor 33 μ F	ECEA6V33L	4		
	C411, 412, 613, 614	" 470 pF	ECEA10V470L	4		
	C415, 416	Mylar Capacitor 0.012 μ F	ECQM05123MZB	2		
	C502, 503	Styrol Capacitor 180 pF	ECQS1181KZ	2		
	C506	Electrolytic Capacitor 470 μ F	ECEA16V470L	1		
	C601, 602	Electrolytic Capacitor 2200 μ F	ECEA25V2200L	2		
	C603, 604	" 1000 μ F	ECEA16V1000L	2		
	C615	" 1000 μ F	ECEA25V1000L	1		

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
	L13, 14, 15, 16	17, 18, 19, 20, 21, 22, 23, 24			
		IF Trap Coil	ELQ3A9	12	3
		SWITCHES			
	S1	Rotary Switch (Function)	ESRE486L25Z	1	
	S2	Slide Switch (Record/Playback Selector)	QSS1120	1	5
	S3	Lever Switch (AFC)	QST0026S	1	5
	S4	Lever Switch (Stereo/Mono Selector)	QST0026S	1	
	S5	Lever Switch (Monitor)	QST0023	1	
	S6	Leaf Switch (Play Switch for Cassette Section)	QSB0146	1	2
	S7-1	Micro Switch (Play Switch for Cartridge Section)	QSM0037	1	2
	S7-2	Leaf Switch (Play Switch for Cartridge Section)	QSB0189	1	5
	S9	Push Switch (Power)	QSW0114S	1	10
	S10	Rotary Switch (Program Indication)	QSR0013	1	
	S11	Push Switch (Manual Eject)	QSW0118S	1	2
	S13	Push Switch (Program Selector)	QSW0116S	1	2
	S14	Lever Switch (Auto Eject)	QST0026S	1	2
	S15	Slide Switch (2CH/4CH Selector)	QSS1080	1	5
	S16	Lever Switch (Phono/Aux Selector)	QST0026S	1	
	S17	Slide Switch (Pause)	QSS1072	1	2
	S18	Rotary Switch (AC Voltage Selector)	QSR0005B	1	20
		ELECTRICAL PARTS			
	E1	Record/Playback Head	QWY0111Y	1	30
	E2	Erase Head	QWY2106Z	1	30
	E3	Playback Head	WY800A	1	30
	E4	Indicator	QKT143B	1	5
	E5	Level Meter	QSL0064	2	10
	E6	Pilot Lamp	XAM0011P400	4	20
	E7	Pilot Lamp (Stereo Eye)	XAM37T50	1	10
	E8	Pilot Lamp	XAM30TW	6	20

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
		INTEGRATED PARTS			
	IC1	Integrated Circuit	M5115P	1	50
	IC2	"	M5115PR	1	10
		TRANSFORMERS			
	T1	IFT (FM 1st)	RL14B152	1	3
	T2	"	RL14B151	1	3
	T3, 5	IFT (FM 2nd, 3rd)	EIF10S211B	2	5
	T4	IFT (AM 1st)	RL12C157	1	3
	T6	IFT (AM 2nd)	RL12C257	1	3
	T7	IFT (FM Det)	EIF10S211D	1	3
	T8	"	EIF10S211E	1	3
	T9	IFT (AM Det)	RL12C457	1	3
	T10	19 kHz Pickup Coil	RLM1C4	1	3
	T11	Double Coil	RLM1C2	1	3
	T12	38 kHz Oscillator Coil	RLM1C5	1	3
	T13, 14	Input Transformer	QLA0129	2	5
	T15	Power Transformer	QLP0660	1	1
	T501	Oscillator Transformer	QLB0145	1	3
		COILS			
	L1	FM Antenna Coil	RLA4P6	1	3
	L2	FM Corrector Coil	ELD5A54R	1	3
	L3	IF Trap Coil	ELQ5A56R	1	3
	L4	FM Local Oscillator Coil	ELL5A53R	1	3
	L5	AM Ferrite Antenna	RLF2D48	1	3
	L6	AM Local Oscillator Coil	ELL10P44	1	3
	L7	67 kHz Trap Coil	QLH2011	1	3
	L8, 9	19 kHz Trap Coil	QLH2012	2	4
	L10, 11	RF Choke Coil	ELM10S122	2	4
	L12, 12-1	Filter Coil	QLH1011	2	4

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	E9	Pilot Lamp Socket	QJS0121	6	5	
	E10	Fuse 1A	XBA1E10NR3	1	10	
	E11	Fuse Holder-A	OTF1035	1	3	
	E12	Dial Rope	RDZ07	1	5	
	E13	Dial Spring	QBT1268	1	5	
	E14	Heat Sink for Tr12	QTH1033	1	5	
	E15	Cord with Pin Plug	QFC2047	1		
	E16	Dial Drum Assembly	QEQ1082S	1	5	
	E17	Tuning Shaft Assembly	QEQ1184S	1	2	
	E18	Jack Angle Assembly	QEL1244S	1		
	E18-1	Jack Board	QGI1223	1	5	
	E18-2	Pin Jack Unit	QJA902	4	4	
	E18-3	M3 Jack	QJA0115	4	4	
	E18-4	Antenna Terminal (Red)	QJT0038	1	3	
	E18-5	Antenna Terminal (Blue)	QJT0038A	1	3	
	E18-6	DIN Socket	QJS0723	1	3	
	E19	4P Plug Assembly	QEQ1219	1	10	
	E20	MIC Jack Board	QGI1147	1	5	
	E21	Headphone Jack	QJA0229	1	5	
	E22	M3 Jack	QJA0115	2	5	
	E23	AC Power Cord	QFC1022	1	5	
	E24	Cord Bushing	QTD1126A	1	5	
	E25	6P Terminal Board	QJT6003	1	3	
	E26	Speaker (Woofer)	EAS16PLOB8	2	15	5
	E27	Speaker (Tweeter)	EAS65PH14S	2	15	5
	E28	Speaker Cord	QFC2073	2	10	
CABINET PARTS						
	G1	Wooden Body Case Assembly	QYJ1351	1	5	
	G2	Front Panel Assembly	QYP0396	1	5	

G1-1 Hinge (B)

QKC1082

Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)		Note
	G2-1	Cartridge Lid	QKF1422	1	5	
	G2-2	Rod	QMR1075	1	2	
	G2-3	Cartridge Lid Spring	QBC1090	1	2	
	G2-4	Stop Ring E24	XUC2FK	1	2	
	G3	Cassette Panel Assembly	QYP0371	1	20	20
	G3-1	Cassette Lid	QKF1083	1	10	5
	G3-2	Cassette Lid Spring	QBN1072	1	5	20
	G4	Top Cover Assembly	QYA0169	1	20	
	G4-1	Hinge (A)	QKC1081S	1	5	
	G5	Bottom Case Assembly	QYC0146	1	5	
	G5-1	Case Foot	QKA1063	4	2	
	G5-2	Microphone Jack Lid	QKF1080	1	20	
	G6	Volume Control Knob Assembly	QYT0223	1	5	
	G7	Balance Control Knob Assembly	QYT0192	1	5	
	G8	Treble Control Knob Assembly	QYT0190	1	5	
	G9	Bass Control Knob Assembly	QYT0191	1	5	
	G10	Back Board	QKU1216	1	5	
	G11	Dial Scale	QGS2187	1	2	
	G12	Tuning Knob Assembly	QYT0156	1	5	
	G13	Select Knob	QGT3015	1	5	
	G14	Power Button	QGO1082	1	5	
	G15	Program Button	QGO1083	1	5	
	G16	Eject Button	QGO1081	1	5	
	G17	Speaker Box Assembly (Without Speaker)	QYJ1315SW	2	5	
	G17-1	Back Board for Speaker Box	QKS5096	2	2	
	G17-2	Speaker Washer	QWQ1003	8		
	G17-3	Speaker Screw	QHQ1079S	8		
	G17-4	Nut 34	XNG3ES	8		
	G17-5	Spring Washer SW34	XWA3B	8		
	G17-6	Wooden Screw 4.3.1 x 10	XMM31 + 10	8		

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Supplyable or Not	Ref. No.	Description	Part No.	Per Set (Pcs.)	Note
	G17-7	Wooden Screw $\Phi 3.1 \times 16$	XMC31+16	20	
	G18	Screw $\Phi 4 \times 20$	XSN4+20FZS	7	
	G19	Screw $\Phi 4 \times 10$	XSN4+10FZS	6	
	G20	Screw $\Phi 2.6 \times 10$	XSN26+10FC	2	
	G21	Screw $\Phi 3 \times 10$	XSN3+10S	4	
	G22	Wooden Screw $\Phi 3.1 \times 10$	XMM31+10	3	
		ACCESSORIES			
	A1	Cassette Tape (Demonstration)	QTTTCCPRJZ	1	SD
	A2	Microphone	WM2201P	1	30
	A3	Microphone Stand	WN123P	1	30
	A4	Head Cleaning Bar	QFQ1025	1	—
	A5	Instruction Book	QTT1708	1	70 5
		PACKINGS			
	P1	Inside Carton	QPN2775	1	
	P2	Inner Cushion-A	QPN2777	1	
	P3	Inner Cushion-B	QPN2778	1	
	P4	Accessory Bag	QFV0047	1	
	P5	Spacer	QPN2195	1	
	P6	Inside Carton for Speaker Box	QPN2776	1	
	P7	Inner Cushion-H	QPN2656	2	
	P8	Pad	QPN2772	1	
	G23	Wooden Screw	XMM31+10	1	
	G24	Screw $\Phi 3 \times 8$	XSN3+8FC	1	

Service Manual

Date. Sep. 5, 1975

No. MF-137

TAPE RECORDER

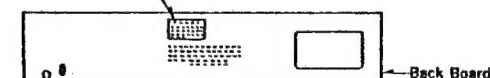
Model No. RS-876AS

SUBJECT: Change of Record Changer

Model RS-876AS has until now employed record changer ARC-50G. In addition to models with record changer ARC-50G, models which use record changer C123R1A2 (BSR) are being sold. For this reason, we are issuing a parts list for the C123R1A2, an exploded view, and this modification report which includes the slight changes required.

HOW TO DISTINGUISH BETWEEN THE ARG-50G AND THE C123R1A2

A label (see figure below) is attached on the rear of those sets which employ record changer C123R1A2.



Back Board

For this reason, when servicing model RS-876AS which uses record changer C123R1A2, refer to this modification report.

MAIN DIFFERENCES REGARDING REPLACEMENT PARTS FOR SETS USING ARC-50G AND C123R1A2

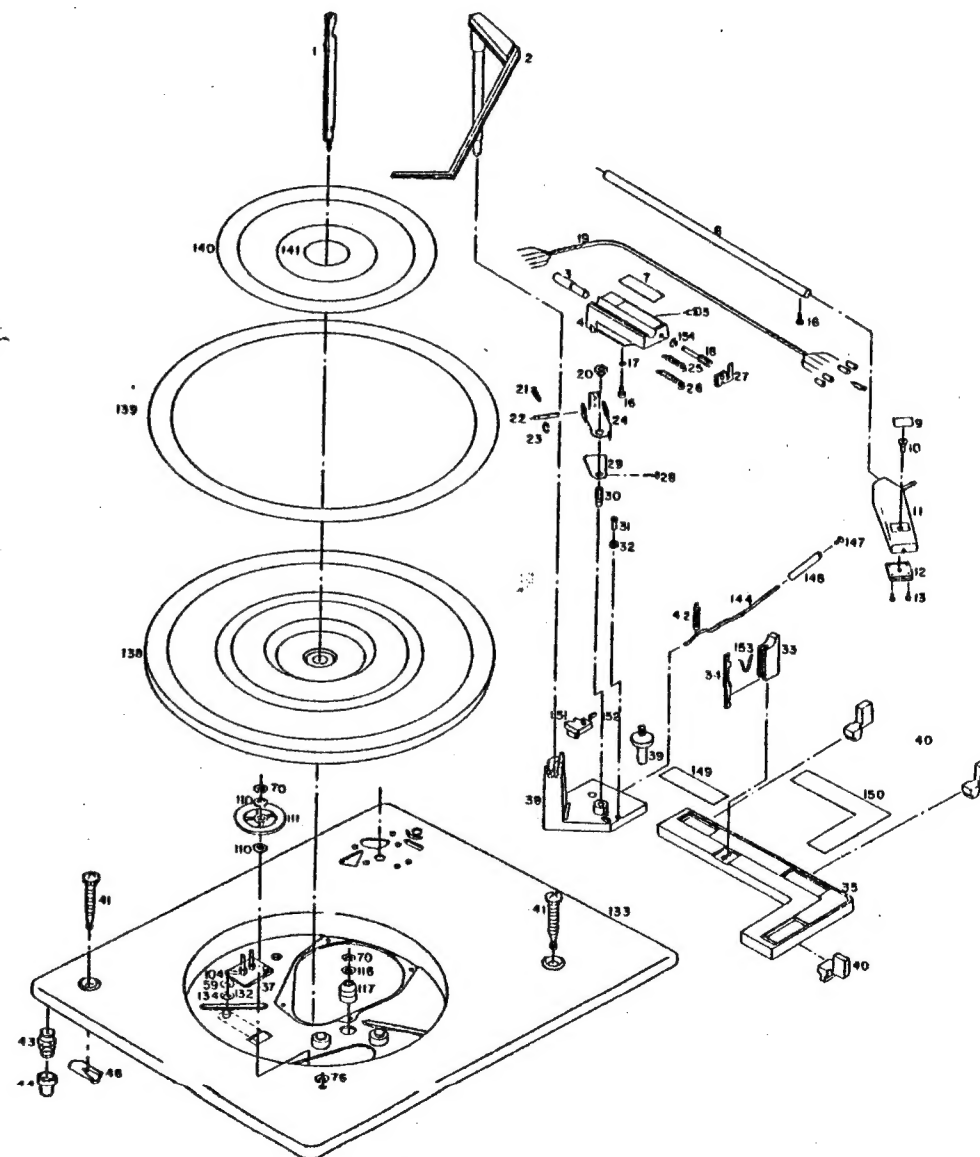
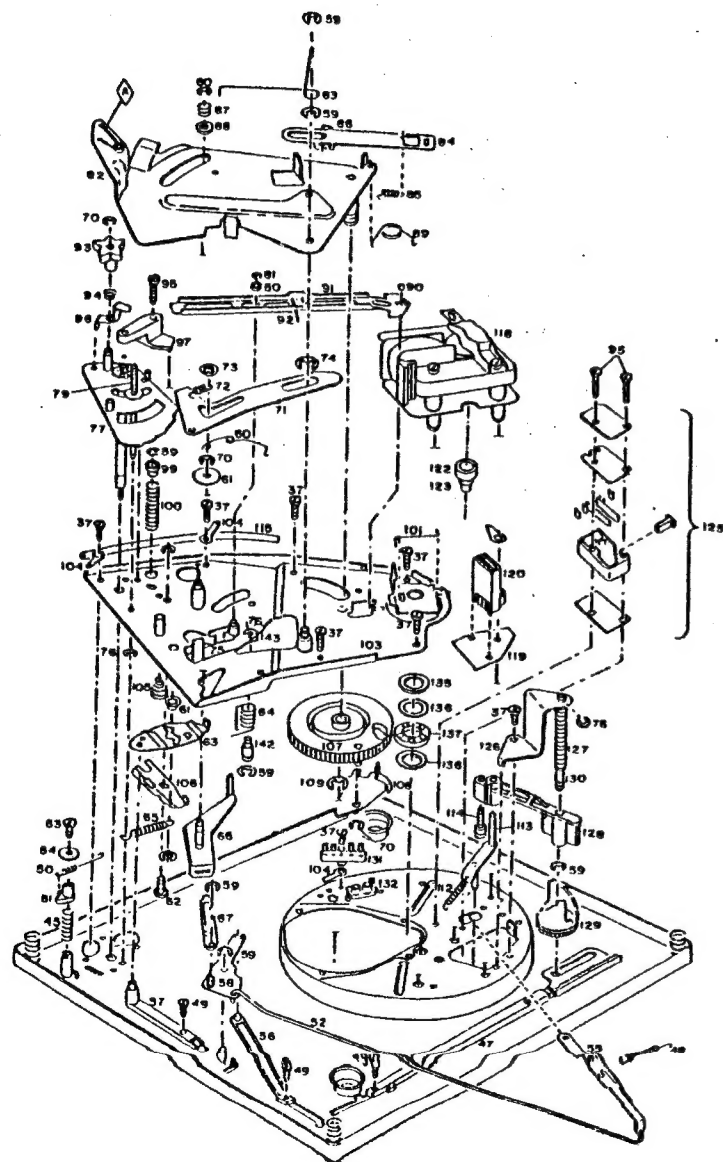
Ref. No.	Description	Part No.		Remarks
		ARC-50G Type	C123R1A2 Type	
	Record Changer	ARC-50G	C123R1A2	
A5	Instruction Book	QQT0586	QQT1003	
P1	Inside Carton	QPN3017	QPN3309	

Panasonic.

Panasonic Tokyo
Matsushita Electric Industrial Co., Ltd.
8-1, 4-chome, Shiba, Minato-ku, Tokyo 108 Japan

Matsushita Electric Trading Co.
P.O. Box 108, Central District

EXPLODED VIEW OF PARTS ABOVE BASEPLATE



RECORD CHANGER (G123R1A2) PARTS LIST

Cartridge: EPC35TTCD

Stylus: EPS13TTCD

Ref. No.	Description	Part No.	Remarks
1	Centre Spindle Assembly	A107043	
2	Control Arm Assembly	B110406	
3	Tube End	A108399	
4	Pick-up Body Sub Assembly	A111187	
5	Screw (P.U. Pivot)	A106652	
6	Pick-up Tube	B106660	
7	P.U. Arm Body Trim	A111156	
8	Pick-up Head (Not used)	D110872	
9	P.U. Head Trim	A110400	
10	Screw type 6 B.A. x3/16" rec. c'sunk Hd.	A106573	
11	Pick-up Head	C110397	
12	Adaptor Plate (Not used)	A106775	
13	Screw type B No. 2 x1/8" rec. Pan Hd. (Not used)	A106506	
14	Solder Tag	A103587	
15	Sleeve	A104306	
16	Screw type A No. 4 x1/4" rec. Pan Hd.	A109551	
17	6 B.A. External Lockwasher	A106504	
18	Balance Adjusting Screw	A108344	
19	23" Quin P.U. Lead	A106745	
20	P.U. Spindle Nut	A105624	
21	Spring (Hinge Retainer)	A108382	
22	Pick-up Pivot	A108381	
23	Circlip	A106205	
24	Hinge Bracket Riveting Assembly	A108384	
25	Pick-up Balance Spring	A103790	
26	Pick-up Balance Spring	A105669	
27	Balance Adjustor	A111157	
28	6 B.A. x3/8" Ch. Hd. Screw	A106917	
29	Pick-up Adjuster	A106654	
30	Locking Sleeve	A106047	
31	Adjusting Screw	A105712	
32	Nut	A105907	
33	Pick-up Rest	B111152	
34	Pick-up Clip	A106664	
35	Control Cover	C111150	
36	Screw type B.T. 6-20 x7/8" rec. Pan Hd.	A108911	
37	Screw type B No. 6 x1/4" rec. Pan Hd.	A106510	
38	Control Housing	C108138	
39	Anti-Skate Control Assembly	B106904	
40	Knob	B110360	
41	Transit Screw	A104189	
42	Spring	A106473	

Ref. No.	Description	Part No.	Remarks
43	Spring (Unit Mounting)	A106090	
44	Spring Cup	A106089	
45	Spring (Anti-Skate Control)	A106813	
46	Retaining Clip	A102166	
47	Speed Change Slide Assembly	B108113	
48	Spring (Switch Lever)	A105826	
49	Screw type B.T. 4-24 x5/16" rec. Pan Hd.	A105267	
50	Spring (Anti-Skate)	A106812	
51	Spring Anchor	B106815	
52	Switch Link	B106405	
53	Screw type B.T. 4-24 x9/16" rec. Pan Hd.	A107863	
54	Washer	A106816	
55	Switch Lever	A106129	
56	Reject Slide	B106119	
57	Selector Slide	B106143	
58	Reject Plate Assembly	A106193	
59	Circlip	A102109	
60	Circlip	A100785	
61	Roller	A108461	
62	Slide Pin	A108064	
63	Detent Plate	A108033	
64	Selector Pivot Spring	A108891	
65	Spring (Detent Plate)	A108075	
66	Reject Lever Assembly	A108283	
67	Reject Link	A106134	
68	Spring (Detent)	A106627	
69	Control Washer	A105660	
70	Circlip	A100762	
71	Cut-Off Lever	B105592	
72	Spring (Cut-Off Lever)	A102623	
73	Retainer	A102251	
74	Circlip	A101526	
75	Selector Lever	B108036	
76	Circlip	A102128	
77	Quadrant Assembly	B108085	
78	Circlip	A108334	
79	P.U. Raising Spindle Assembly	A106697	
80	Washer	A106966	
81	Circlip	A104077	
82	Operating Plate Assembly	B108168	
83	Spring (Selector Drive)	A108078	
84	Feed Lever Link	B105597	
85	Spring (Link Return)	A105827	
86	Spring (Feed Lever Link)	A106968	
87	Spring	A108077	

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Ref. No.	Description	Part No.	Remarks
88	Washer	A103290	
89	Spring (Operating Plate)	A106980	
90	9/64" Dia. Ball Bearings	A107419	
91	Actuating Slide	B106962	
92	Spring (Actuating Slide)	A105901	
93	Toggle Wheel	B108073	
94	Spring Clip	A108654	
95	Screw type B.T. 4-24 x 5/8" rec. Pan Hd.	A106512	
96	Support Spring	A107004	
97	Support Bracket	A106965	
98	3/32" Dia. Ball Bearings	A107154	
99	Spacer	A104861	
100	Spring (Control Spindle)	A110985	
101	Retaining Clip	A104882	
102	Circlip	A105678	
103	Main sub Plate Riveting Assembly	C108483	
104	Solder Tag	A102126	
105	Spring (Cut-Off Slide)	A108083	
106	Cut-Off Slide	A108034	
107	Cam Gear Riveting Assembly	A102133	
108	Actuating Pawl Assembly	A106819	
109	Circlip	A102110	
110	Washer	A101620	
111	Jockey Pulley Assembly	A101623	
112	Spring (Jockey Pulley)	A105824	
113	Jockey Arm Riveting Assembly	A105965	
114	Adjusting Screw	A105619	
115	7-3mm P.V.C. Sleeving	A108401	
116	Motor Mounting Washer	A101646	
117	Rubber Mounting	A102181	
118	Two Pole Motor Assembly	RF20-4	
119	Insulating Strip	A104865	
120	Amp Plug Housing	A103096	
121	4 B.A. Tag Lockwasher	A106749	
122	Motor Pulley Assembly (60Hz)	A110606	
123	Motor Pulley Assembly (50Hz)	A110605	
125	Switch Assembly	B108285	
126	Speed Change Bracket	A106034	
127	Spring (Raising Spindle)	A105831	
128	Speed Change Arm	B106021	
129	Raising Cam	B110364	
130	Raising Spindle	A108589	
131	Tag Mounting Strip	A106206	
132	Phono Socket	B108824	
133	Mainplate Sub Assembly	B109328	